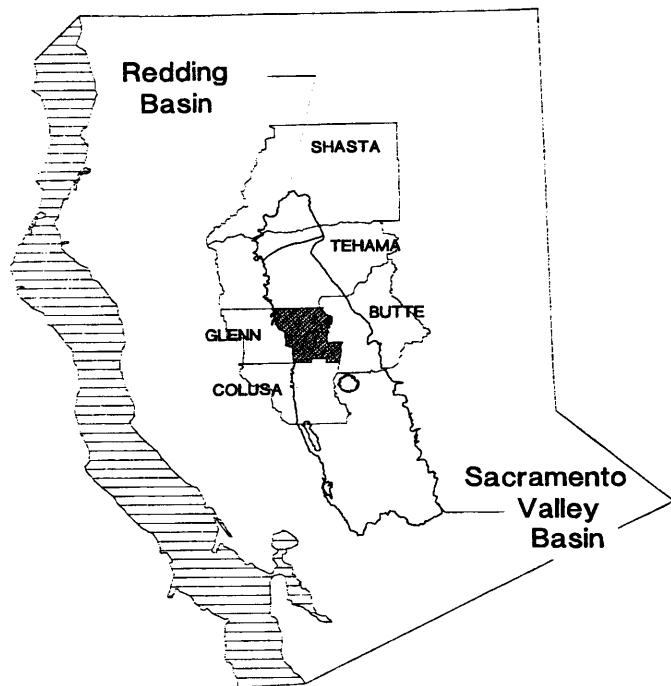


**State of California  
The Resources Agency  
DEPARTMENT OF WATER RESOURCES  
Northern District**

**GROUNDWATER LEVELS IN THE  
SACRAMENTO VALLEY GROUNDWATER BASIN  
GLENN COUNTY**



**January 1997**

---

Pete Wilson  
Governor  
State of California

Douglas P. Wheeler  
Secretary for Resources  
The Resources Agency

David N. Kennedy  
Director  
Department of Water Resources

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**Data used to produce the tables, graphs, and maps are available  
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**Department of Water Resources  
Northern District  
Geology and Groundwater Section**

**2440 Main Street  
Red Bluff, CA 96080-2398**

**Department of Water Resources  
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Geology and Groundwater Section**

**3251 S Street  
Sacramento, CA 95816-7017**

# **GROUNDWATER LEVELS IN THE SACRAMENTO VALLEY GROUNDWATER BASIN GLENN COUNTY**

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Department of Water Resources

## **Foreword**

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Groundwater is an important resource in the Sacramento Valley. Under the Water Quality and Quantity Program, the Northern District of the Department of Water Resources collects data on groundwater levels from 174 wells in Glenn County within the Sacramento Valley groundwater basin.

This report summarizes groundwater level data collected mostly by DWR since the 1920s through November 1996. The report presents well locations, information related to the monitoring program, and hydrographs depicting groundwater levels over time. This information will provide the basis for a better understanding of groundwater level trends in the Sacramento Valley groundwater basin. Better understanding of the physical characteristics of the basin and the behavior of the groundwater should lead to productive and beneficial use, protection, and wise management by local agencies of this important resource.



Ralph N. Hinton, Acting Chief  
Northern District

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# **Organization**

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**STATE OF CALIFORNIA**  
Pete Wilson, Governor

**THE RESOURCES AGENCY**  
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## **Introduction**

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The Sacramento Valley groundwater basin is bounded on the west by the Coast Ranges, on the north by the Red Bluff arch, on the east by the Cascade Range, and the south by the Mokelumne River and the Sacramento River south of Walnut Grove. The groundwater levels in the Sacramento Valley are summarized in a series of Water Level reports organized by county. This report covers the water levels in Glenn County.

Since the mid 1920s, the Department of Water Resources, Glenn County, and U. S. Bureau of Reclamation have measured groundwater levels in Glenn County. This report compiles information related to this monitoring program and includes groundwater hydrographs for the monitored wells.

# **Groundwater Level Data Management**

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The data presented in this report are electronically stored and maintained using a collection of data processing applications developed by DWR's Central and Northern Districts. This data management application, known as "EX-terra," consists of five main data tables that contain:

- Groundwater levels
- Generalized geographic data
- Well construction
- Well qualification data
- Coordinates.

EX-terra is configured to produce output files that are formatted for direct input to several widely available graphics programs. These may be used to create groundwater level contour maps or hydrographs, such as those presented in Appendix A.

The groundwater level and coordinate data presented in this report will soon be available in electronic form through the Internet (see inside front cover for details). The data files will be provided in ASCII delimited format. An ASCII documentation file explaining the contents of the data files will be included with each response to a data request.

# **State Well Numbering System**

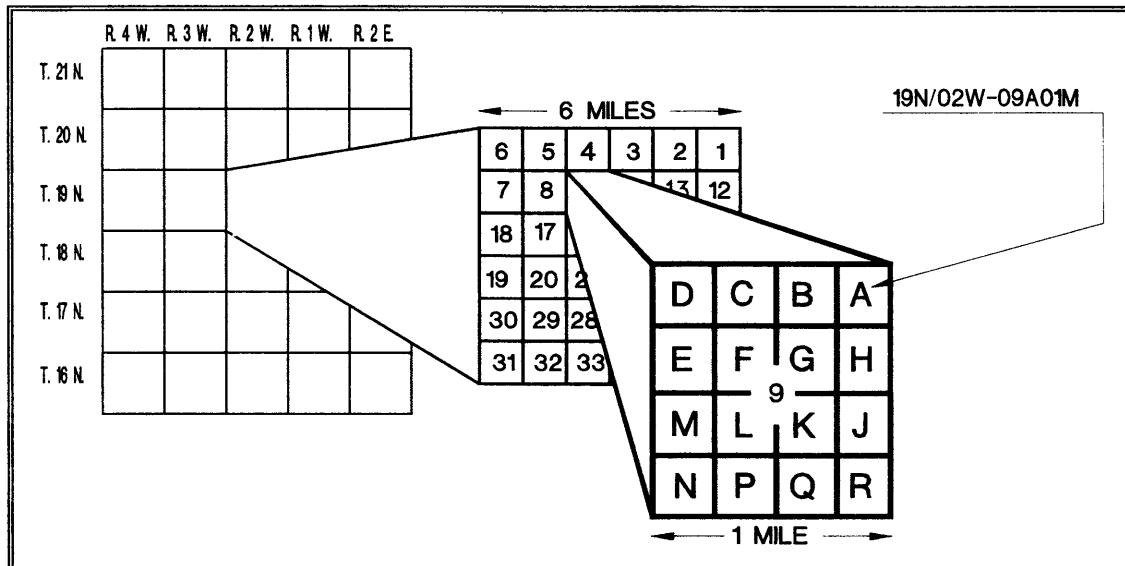
Each well in the monitoring program is assigned an official State Well Number. DWR has sole responsibility for assigning State Well Numbers to water wells in California, and each number uniquely identifies a well based on its location.

Each State Well Number includes township, range and section number, and each section is further subdivided into sixteen 40-acre tracts, which are assigned a letter designation as shown below. Within each 40-acre tract, wells are numbered sequentially in the order they are inventoried. The final letter of the identification signifies the base line and meridian to which the well location refers.

In the Sacramento Valley groundwater basin, all wells are referenced to the Mount Diablo base line and meridian. The example below is for State Well Number 19N/02W-09A01M.

**Figure 1**

## **State Well Numbering System**



**The lettering system does not contain the letters "I" and "O"**

## **Measurement Frequency and Period of Record**

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Table I shows the period of record and frequency of measurement for all of the active and historic groundwater level monitoring wells in Glenn County. The wells currently measured are labeled as ACTIVE.

Most wells are measured semiannually: once in spring, usually during March, and once in fall, during October. Dates of the measurements are timed to obtain the approximate highest static water level in the spring and approximate lowest static water level in the fall. Starting October 1994, 21 wells are measured quarterly (March, July, October, and December); some of these wells were previously measured monthly. Over time, the measurement frequency for many wells in the monitoring program has alternated between semiannually and monthly and later monthly to quarterly. The quarterly grid is an expanded monthly grid to include more wells. The "Measurement Frequency" column in Table 1 reflects only the most recent measurement frequency for the wells.

**Table 1**  
**Measurement Frequency and Period of Record**  
**For Glenn County Monitoring Wells**

<b>State Well Number</b>	<b>Agency</b>	<b>Measurement Frequency</b>	<b>Number of Measurements</b>	<b>Record Begins</b>	<b>Record Ends</b>
18N/01E-17D01M	DWR	Semi-annually	212	9/5/41	Active
18N/01W-17G01M	DWR	Semi-annually	88	3/17/64	Active
18N/01W-22L01M	DWR	Semi-annually	113	3/11/53	Active
18N/03W-09A01M	DWR	Semi-annually	29	4/16/52	10/10/73
18N/03W-09A02M	DWR	Semi-annually	67	12/24/41	10/10/73
18N/03W-10K02M	DWR	Semi-annually	9	2/21/79	10/6/81
18N/03W-10L01M	DWR	Semi-annually	355	12/7/29	Active
18N/03W-22D01M	DWR	Semi-annually	50	8/20/59	3/6/84
18N/04W-11B03M	DWR	Semi-annually	83	10/11/59	Active
18N/04W-12A01M	DWR	Semi-annually	103	6/21/48	Active
18N/04W-23F01M	DWR	Semi-annually	103	6/21/48	Active
19N/01E-08R01M	Glenn Co.	Semi-annually	71	4/5/43	10/5/82
19N/01W-15D01M	DWR	Semi-annually	150	11/22/41	Active
19N/01W-27R01M	DWR	Semi-annually	69	2/6/74	Active
19N/02W-09A01M	DWR	Semi-annually	183	11/5/41	3/13/90
19N/02W-13J01M	DWR	Semi-annually	298	12/4/29	Active
19N/02W-23Q01M	USBR	Semi-annually	30	12/19/41	11/9/48
19N/02W-23Q02M	DWR	Semi-annually	74	8/27/59	10/6/92
19N/02W-29Q01M	DWR	Semi-annually	199	9/13/41	Active
19N/02W-34F01M	DWR	Semi-annually	82	9/21/59	Active
19N/02W-36H01M	DWR	Semi-annually	221	9/4/41	Active
19N/03W-01H01M	Glenn Co.	Semi-annually	41	6/20/63	4/2/83
19N/03W-01N01M	Glenn Co.	Semi-annually	123	11/5/41	10/20/62
19N/03W-06N02M	USBR	Semi-annually	76	10/8/70	Active
19N/03W-07J01M	USBR	Semi-annually	78	9/3/70	Active
19N/03W-07N01M	USBR	Semi-annually	78	9/3/70	Active
19N/03W-08B01M	Glenn Co.	Semi-annually	79	5/21/46	3/1/77
19N/03W-26P01M	DWR	Semi-annually	54	2/6/74	Active
19N/03W-31B01M	DWR	Semi-annually	49	3/9/76	Active
19N/03W-32E01M	Glenn Co.	Semi-annually	22	3/11/67	11/3/77
19N/04W-01A01M	DWR	Semi-annually	71	3/11/65	Active
19N/04W-12E01M	DWR	Quarterly	362	1/21/64	Active
19N/04W-25B01M	DWR	Semi-annually	89	4/21/53	Active
20N/01W-07B01M	DWR	Semi-annually	84	8/25/59	Active
20N/01W-31E01M	Glenn Co.	Semi-annually	71	12/27/48	10/5/82

**Table 1 (continued)**  
**Measurement Frequency and Period of Record**  
**For Glenn County Monitoring Wells**

<b>State Well Number</b>	<b>Agency</b>	<b>Measurement Frequency</b>	<b>Number of Measurements</b>	<b>Record Begins</b>	<b>Record Ends</b>
20N/02W-02J01M	DWR	Semi-annually	121	12/22/41	Active
20N/02W-05A01M	DWR	Semi-annually	85	8/26/59	Active
20N/02W-11A01M	DWR	Quarterly	238	11/17/76	Active
20N/02W-11A02M	DWR	Quarterly	236	11/16/76	Active
20N/02W-11A03M	DWR	Quarterly	237	11/17/76	Active
20N/02W-13G01M	DWR	Semi-annually	83	8/26/59	Active
20N/02W-27J01M	DWR	Semi-annually	103	12/20/41	3/9/88
20N/02W-29G01M	DWR	Semi-annually	230	12/20/41	Active
20N/03W-03D02M	DWR	Semi-annually	74	5/9/66	Active
20N/03W-07K03M	USBR	Semi-annually	98	4/26/48	Active
20N/03W-12C01M	DWR	Semi-annually	75	6/20/63	Active
20N/03W-17P01M	DWR	Semi-annually	55	8/10/73	Active
20N/03W-19B01M	USBR	Semi-annually	109	8/13/46	Active
20N/03W-19N01M	USBR	Semi-annually	29	3/13/79	3/15/93
20N/03W-19Q01M	USBR	Semi-annually	35	3/13/79	Active
20N/03W-21A02M	USBR	Semi-annually	61	11/1/50	10/5/82
20N/03W-21A03M	USBR	Semi-annually	29	3/22/82	Active
20N/03W-23G02M	DWR	Semi-annually	55	2/5/74	Active
20N/03W-24B01M	DWR	Semi-annually	49	12/26/41	5/22/63
20N/03W-25P01M	DWR	Semi-annually	36	12/4/29	3/17/59
20N/03W-25Q01M	Glenn Co.	Semi-annually	29	10/20/59	10/11/73
20N/03W-29P01M	USBR	Semi-annually	34	3/13/79	Active
20N/03W-29R01M	DWR	Semi-annually	46	12/6/33	3/10/66
20N/03W-31A01M	USBR	Semi-annually	49	10/27/53	3/13/79
20N/03W-31A02M	USBR	Semi-annually	4	4/3/67	10/11/68
20N/03W-31A03M	USBR	Semi-annually	36	10/3/78	Active
20N/03W-32Q01M	USBR	Semi-annually	35	3/13/79	Active
20N/03W-33J01M	USBR	Semi-annually	86	2/25/51	Active
20N/04W-12F02M	DWR	Semi-annually	55	8/10/73	Active
20N/04W-25J01M	USBR	Semi-annually	35	3/13/79	Active
21N/01W-04N01M	DWR	Semi-annually	77	8/24/59	Active
21N/01W-17F01M	DWR	Semi-annually	112	12/4/29	Active
21N/01W-31E01M	Glenn Co.	Semi-annually	76	12/4/29	3/14/79
21N/01W-32N01M	DWR	Semi-annually	97	1/3/42	4/11/62
21N/02W-02B01M	USBR	Semi-annually	314	5/13/23	11/1/61

**Table 1 (continued)**  
**Measurement Frequency and Period of Record**  
**For Glenn County Monitoring Wells**

<b>State Well Number</b>	<b>Agency</b>	<b>Measurement Frequency</b>	<b>Number of Measurements</b>	<b>Record Begins</b>	<b>Record Ends</b>
21N/02W-02B02M	DWR	Semi-annually	72	3/9/60	Active
21N/02W-03Q01M	Glenn Co.	Semi-annually	350	5/13/23	11/9/88
21N/02W-07E01M	DWR	Semi-annually	32	10/30/75	3/14/91
21N/02W-09M02M	DWR	Semi-annually	71	6/19/63	Active
21N/02W-15B01M	DWR	Semi-annually	90	12/3/47	Active
21N/02W-19N01M	Glenn Co.	Semi-annually	28	10/30/75	4/16/89
21N/02W-20B01M	DWR	Semi-annually	66	3/22/65	Active
21N/02W-20E01M	Glenn Co.	Semi-annually	50	1/28/48	10/11/73
21N/02W-22J01M	Glenn Co.	Semi-annually	50	1/27/48	10/11/73
21N/02W-23G01M	DWR	Semi-annually	101	1/20/65	Active
21N/02W-23H01M	Glenn Co.	Semi-annually	62	9/24/42	10/11/73
21N/02W-24M01M	DWR	Quarterly	54	6/29/90	Active
21N/02W-25L01M	DWR	Quarterly	54	6/29/90	Active
21N/02W-25N01M	DWR	Quarterly	54	6/29/90	Active
21N/02W-28M01M	Glenn Co.	Semi-annually	63	1/27/48	8/16/89
21N/02W-31M01M	DWR	Semi-annually	184	12/4/29	Active
21N/02W-35P01M	Glenn Co.	Semi-annually	36	11/4/53	10/10/73
21N/02W-36A01M	DWR	Quarterly	70	6/29/90	Active
21N/02W-36A02M	DWR	Quarterly	66	6/29/90	Active
21N/02W-36A03M	DWR	Quarterly	56	6/29/90	Active
21N/02W-36A04M	DWR	Quarterly	56	6/29/90	Active
21N/02W-36A05M	DWR	Quarterly	56	6/29/90	Active
21N/02W-36A07M	DWR	Quarterly	56	6/29/90	Active
21N/02W-36A08M	DWR	Quarterly	56	6/29/90	Active
21N/03W-02B01M	DWR	Semi-annually	238	4/23/48	10/19/94
21N/03W-06Q01M	USBR	Semi-annually	31	12/6/29	10/6/59
21N/03W-08C01M	USBR	Semi-annually	18	9/29/87	Active
21N/03W-08D01M	USBR	Semi-annually	57	4/12/51	10/13/83
21N/03W-09R01M	USBR	Semi-annually	69	6/19/51	9/29/87
21N/03W-10J01M	DWR	Semi-annually	181	4/18/46	3/15/73
21N/03W-10M01M	USBR	Semi-annually	18	9/29/87	Active
21N/03W-11G01M	DWR	Semi-annually	69	6/19/63	Active
21N/03W-11M01M	Glenn Co.	Semi-annually	47	7/5/51	11/12/74
21N/03W-12C01M	Glenn Co.	Semi-annually	87	12/4/29	10/11/73
21N/03W-12C02M	DWR	Semi-annually	68	4/22/48	Active

**Table 1 (continued)**  
**Measurement Frequency and Period of Record**  
**For Glenn County Monitoring Wells**

<b>State Well Number</b>	<b>Agency</b>	<b>Measurement Frequency</b>	<b>Number of Measurements</b>	<b>Record Begins</b>	<b>Record Ends</b>
21N/03W-14B01M	Glenn Co.	Semi-annually	75	7/3/51	10/21/80
21N/03W-18B01M	USBR	Semi-annually	35	10/6/59	10/6/76
21N/03W-18B02M	USBR	Semi-annually	40	10/6/76	Active
21N/03W-20D02M	USBR	Semi-annually	91	6/20/51	Active
21N/03W-22H01M	DWR	Semi-annually	49	12/3/73	Active
21N/03W-24P01M	DWR	Semi-annually	49	2/5/74	Active
21N/03W-29F02M	USBR	Semi-annually	31	3/19/59	3/6/74
21N/03W-31C02M	USBR	Semi-annually	67	3/12/63	Active
21N/03W-31H01M	DWR	Semi-annually	55	8/10/73	Active
21N/03W-31K01M	USBR	Semi-annually	41	12/16/48	10/17/69
21N/03W-31R01M	USBR	Quarterly	24	6/12/47	8/8/53
21N/03W-31R02M	DWR	Quarterly	671	5/27/53	Active
21N/03W-31R03M	DWR	Quarterly	650	6/18/53	Active
21N/03W-31R04M	DWR	Quarterly	650	6/18/53	Active
21N/03W-31R05M	DWR	Quarterly	647	7/3/53	Active
21N/03W-31R06M	DWR	Quarterly	658	5/29/53	Active
21N/03W-32M01M	DWR	Semi-annually	27	12/6/29	3/13/57
21N/03W-32N01M	USBR	Semi-annually	91	6/27/51	Active
21N/03W-33A04M	USBR	Semi-annually	63	3/17/65	Active
21N/03W-35L01M	DWR	Semi-annually	83	3/28/47	10/18/85
21N/03W-35L02M	DWR	Semi-annually	134	10/16/62	Active
21N/04W-12B02M	USBR	Semi-annually	48	10/5/60	10/13/83
21N/04W-12H01M	USBR	Semi-annually	15	10/5/60	10/5/67
21N/04W-23H01M	USBR	Semi-annually	69	6/25/51	3/29/89
21N/04W-24A02M	USBR	Semi-annually	58	10/6/67	Active
22N/01W-29K01M	DWR	Semi-annually	49	12/13/73	Active
22N/02W-03D04M	DWR	Semi-annually	69	6/19/63	Active
22N/02W-03E01M	DWR	Semi-annually	45	10/30/75	Active
22N/02W-03F01M	DWR	Semi-annually	65	3/8/65	Active
22N/02W-05B01M	DWR	Semi-annually	106	4/10/46	10/3/91
22N/02W-05L02M	Glenn Co.	Semi-annually	54	7/10/47	10/12/73
22N/02W-08B02M	DWR	Semi-annually	214	4/18/62	Active
22N/02W-08D01M	DWR	Semi-annually	65	4/26/50	10/6/93
22N/02W-08Q01M	Glenn Co.	Semi-annually	324	5/12/23	3/15/74
22N/02W-09L03M	DWR	Semi-annually	68	3/12/65	Active

**Table 1 (continued)**  
**Measurement Frequency and Period of Record**  
**For Glenn County Monitoring Wells**

<b>State Well Number</b>	<b>Agency</b>	<b>Measurement Frequency</b>	<b>Number of Measurements</b>	<b>Record Begins</b>	<b>Record Ends</b>
22N/02W-11Q01M	DWR	Semi-annually	51	8/8/73	Active
22N/02W-20P02M	Glenn Co.	Semi-annually	62	7/18/50	10/12/73
22N/02W-20Q01M	DWR	Semi-annually	49	8/9/73	Active
22N/02W-21D01M	DWR	Semi-annually	292	1/31/23	Active
22N/02W-21E01M	USBR	Semi-annually	242	1/31/23	4/1/59
22N/02W-21R01M	USBR	Semi-annually	276	2/10/23	3/20/58
22N/02W-23N01M	Glenn Co.	Semi-annually	82	11/5/47	10/15/87
22N/02W-31C01M	DWR	Semi-annually	84	8/9/73	Active
22N/02W-31Q01M	Glenn Co.	Semi-annually	58	10/23/46	11/6/69
22N/02W-32H03M	DWR	Semi-annually	92	11/1/50	Active
22N/02W-36D01M	DWR	Semi-annually	361	5/13/23	Active
22N/03W-03D01M	DWR	Semi-annually	49	8/9/73	Active
22N/03W-04C01M	USBR	Semi-annually	55	4/18/46	3/12/64
22N/03W-04E01M	USBR	Semi-annually	66	10/9/63	Active
22N/03W-05F01M	USBR	Semi-annually	80	4/15/46	10/5/81
22N/03W-05F02M	USBR	Semi-annually	34	10/4/79	Active
22N/03W-06H01M	DWR	Semi-annually	49	8/9/73	Active
22N/03W-07C01M	USBR	Semi-annually	46	8/19/59	10/5/81
22N/03W-10Q01M	DWR	Semi-annually	105	3/7/58	Active
22N/03W-12Q03M	DWR	Semi-annually	49	7/31/73	Active
22N/03W-17E01M	DWR	Semi-annually	49	8/9/73	Active
22N/03W-17Q01M	DWR	Semi-annually	100	5/2/46	10/10/73
22N/03W-21F01M	DWR	Semi-annually	292	12/6/29	3/13/78
22N/03W-21F02M	DWR	Quarterly	205	5/17/77	Active
22N/03W-29B01M	USBR	Semi-annually	61	3/9/66	Active
22N/03W-29F01M	USBR	Semi-annually	36	6/13/47	10/1/65
22N/03W-30C01M	DWR	Semi-annually	48	11/27/73	Active
22N/03W-31F01M	USBR	Semi-annually	30	3/17/59	10/10/73
22N/03W-32R01M	USBR	Semi-annually	107	11/8/46	3/21/91
22N/03W-33A01M	USBR	Semi-annually	50	7/6/51	3/13/78
22N/03W-33A02M	USBR	Semi-annually	32	10/19/77	3/15/93
22N/03W-34A01M	DWR	Semi-annually	49	8/9/73	Active
22N/04W-12L01M	USBR	Semi-annually	41	10/7/59	10/4/79
22N/04W-35F01M	DWR	Semi-annually	13	12/11/80	11/17/81

## Well Locations

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Locations of the Glenn County groundwater basin monitoring wells are shown in Appendix B. Figure 2 tabulates the coordinates of these wells. The latitude, longitude, and Zone 10 UTM (*Universal Transverse Mercator*) coordinates, in meters, for each well are estimated to be within 500 feet.

We determined the coordinates by plotting the location of each well on USGS 7.5-minute quadrangles, using information on file with DWR. The UTM coordinates of the plotted locations were digitized from these quadrangles. Latitude and longitude coordinates for each well were calculated from the digitized UTM coordinate data using software developed by the U.S. Geological Survey.

Should you detect an error in location, please notify the Department of Water Resources, Northern District, Geology and Groundwater Section, 2440 Main Street, Red Bluff, California 96080-2398, telephone number (916) 529-7314.

**Table 2**  
**Locations for Glenn County Groundwater Level Monitoring Wells**

<b>State Well Number</b>	<b>UTM Coordinates</b>		<b>Latitude</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Longitude</b>
	<b>East</b>	<b>North</b>	(Decimal Degrees)	(Degrees Minutes Seconds)	(Degrees Minutes Seconds)	(Degrees Minutes Seconds)
18N/01E-17D01M	595892	4363832	39.4205	121.8860	39 25 14	121 53 10
18N/01W-17G01M	587004	4362918	39.4132	121.9894	39 24 48	121 59 22
18N/01W-22L01M	589577	4361248	39.3979	121.9597	39 23 53	121 57 35
18N/03W-09A01M	569514	4365316	39.4364	122.1923	39 26 11	122 11 32
18N/03W-09A02M	569514	4365316	39.4364	122.1923	39 26 11	122 11 32
18N/03W-10K02M	570507	4364635	39.4302	122.1808	39 25 49	122 10 51
18N/03W-10L01M	570445	4364613	39.4300	122.1815	39 25 48	122 10 53
18N/03W-22D01M	569716	4362094	39.4074	122.1903	39 24 27	122 11 25
18N/04W-11B03M	562575	4365158	39.4355	122.2729	39 26 08	122 16 22
18N/04W-12A01M	564799	4365295	39.4366	122.2470	39 26 12	122 14 49
18N/04W-23F01M	562473	4361351	39.4013	122.2744	39 24 05	122 16 28
19N/01E-08R01M	595329	4373560	39.5082	121.8912	39 30 30	121 53 28
19N/01W-15D01M	588887	4373421	39.5077	121.9661	39 30 28	121 57 58
19N/01W-27R01M	590399	4368734	39.4653	121.9492	39 27 55	121 56 57
19N/02W-09A01M	579276	4374907	39.5220	122.0777	39 31 19	122 04 40
19N/02W-13J01M	583765	4372558	39.5004	122.0258	39 30 02	122 01 33
19N/02W-23Q01M	581950	4370477	39.4818	122.0471	39 28 55	122 02 50
19N/02W-23Q02M	581776	4370449	39.4816	122.0492	39 28 54	122 02 57
19N/02W-29Q01M	576936	4368753	39.4668	122.1056	39 28 00	122 06 20
19N/02W-34F01M	579944	4367822	39.4581	122.0708	39 27 29	122 04 15
19N/02W-36H01M	584111	4367773	39.4573	122.0224	39 27 26	122 01 20
19N/03W-01H01M	574199	4376197	39.5341	122.1366	39 32 03	122 08 12
19N/03W-01N01M	572870	4375197	39.5252	122.1522	39 31 31	122 09 08
19N/03W-06N02M	564707	4375477	39.5284	122.2471	39 31 42	122 14 50
19N/03W-07J01M	566022	4373980	39.5148	122.2320	39 30 53	122 13 55
19N/03W-07N01M	564727	4373548	39.5110	122.2471	39 30 40	122 14 49
19N/03W-08B01M	567284	4375071	39.5245	122.2172	39 31 28	122 13 02
19N/03W-26P01M	571826	4368758	39.4673	122.1650	39 28 02	122 09 54
19N/03W-31B01M	565576	4368567	39.4660	122.2377	39 27 58	122 14 16
19N/03W-32E01M	566389	4367959	39.4605	122.2283	39 27 38	122 13 42
19N/04W-01A01M	564398	4376675	39.5392	122.2506	39 32 21	122 15 02
19N/04W-12E01M	563129	4374565	39.5203	122.2656	39 31 13	122 15 56
19N/04W-25B01M	564163	4370174	39.4806	122.2540	39 28 50	122 15 14
20N/01W-07B01M	584846	4384592	39.6087	122.0117	39 36 31	122 00 42
20N/01W-31E01M	584536	4377911	39.5486	122.0161	39 32 55	122 00 58

**Table 2 (continued)**  
**Locations for Glenn County Groundwater Level Monitoring Wells**

<b>State Well Number</b>	<b>UTM Coordinates</b>		<b>Latitude</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Longitude</b>
	<b>East</b>	<b>North</b>	<b>(Decimal Degrees)</b>	<b>(Decimal Degrees)</b>	<b>(Degrees Minutes Seconds)</b>	<b>(Degrees Minutes Seconds)</b>
20N/02W-02J01M	581920	4385432	39.6166	122.0456	39 37 00	122 02 44
20N/02W-05A01M	577203	4386179	39.6238	122.1005	39 37 26	122 06 02
20N/02W-11A01M	582086	4384626	39.6093	122.0438	39 36 34	122 02 38
20N/02W-11A02M	582086	4384626	39.6093	122.0438	39 36 34	122 02 38
20N/02W-11A03M	582086	4384626	39.6093	122.0438	39 36 34	122 02 38
20N/02W-13G01M	582908	4382726	39.5921	122.0345	39 35 32	122 02 04
20N/02W-27J01M	580938	4379239	39.5609	122.0578	39 33 39	122 03 28
20N/02W-29G01M	576886	4379488	39.5635	122.1050	39 33 49	122 06 18
20N/03W-03D02M	569587	4386207	39.6247	122.1892	39 37 29	122 11 21
20N/03W-07K03M	565540	4383825	39.6035	122.2366	39 36 13	122 14 12
20N/03W-12C01M	573564	4384594	39.6098	122.1431	39 36 35	122 08 35
20N/03W-17P01M	566699	4381857	39.5857	122.2233	39 35 09	122 13 24
20N/03W-19B01M	565390	4381465	39.5823	122.2386	39 34 56	122 14 19
20N/03W-19N01M	564672	4380077	39.5698	122.2471	39 34 11	122 14 50
20N/03W-19Q01M	565592	4380029	39.5693	122.2364	39 34 10	122 14 11
20N/03W-21A02M	569105	4381495	39.5822	122.1953	39 34 56	122 11 43
20N/03W-21A03M	569316	4381572	39.5829	122.1929	39 34 59	122 11 34
20N/03W-23G02M	572215	4380986	39.5774	122.1592	39 34 39	122 09 33
20N/03W-24B01M	573811	4381484	39.5818	122.1405	39 34 54	122 08 26
20N/03W-25P01M	573153	4378793	39.5576	122.1485	39 33 27	122 08 55
20N/03W-25Q01M	573523	4378620	39.5560	122.1442	39 33 22	122 08 39
20N/03W-29P01M	566780	4378403	39.5546	122.2227	39 33 16	122 13 22
20N/03W-29R01M	567481	4378686	39.5571	122.2145	39 33 25	122 12 52
20N/03W-31A01M	566172	4378275	39.5535	122.2298	39 33 12	122 13 47
20N/03W-31A02M	566172	4378275	39.5535	122.2298	39 33 12	122 13 47
20N/03W-31A03M	566118	4378276	39.5535	122.2304	39 33 13	122 13 50
20N/03W-32Q01M	567422	4377090	39.5427	122.2154	39 32 34	122 12 55
20N/03W-33J01M	569085	4377560	39.5468	122.1960	39 32 48	122 11 46
20N/04W-12F02M	563497	4384175	39.6068	122.2604	39 36 25	122 15 37
20N/04W-25J01M	564618	4379112	39.5611	122.2478	39 33 40	122 14 52
21N/01W-04N01M	586830	4394470	39.6975	121.9873	39 41 51	121 59 14
21N/01W-17F01M	585687	4391994	39.6753	122.0009	39 40 31	122 00 03
21N/01W-31E01M	583571	4387101	39.6315	122.0262	39 37 53	122 01 34
21N/01W-32N01M	585283	4386342	39.6245	122.0064	39 37 28	122 00 23
21N/02W-02B01M	581226	4395744	39.7096	122.0525	39 42 34	122 03 09

**Table 2 (continued)**  
**Locations for Glenn County Groundwater Level Monitoring Wells**

<b>State Well Number</b>	<b>UTM Coordinates</b>		<b>Latitude</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Longitude</b>
	<b>East</b>	<b>North</b>	(Decimal Degrees)	(Degrees Minutes Seconds)	(Degrees Minutes Seconds)	(Degrees Minutes Seconds)
21N/02W-02B02M	581226	4395744	39.7096	122.0525	39 42 34	122 03 09
21N/02W-03Q01M	579611	4394469	39.6982	122.0715	39 41 54	122 04 17
21N/02W-07E01M	574158	4393798	39.6927	122.1351	39 41 34	122 08 06
21N/02W-09M02M	577105	4393279	39.6877	122.1008	39 41 16	122 06 03
21N/02W-15B01M	579662	4392300	39.6787	122.0711	39 40 43	122 04 16
21N/02W-19N01M	573883	4389716	39.6559	122.1388	39 39 21	122 08 20
21N/02W-20B01M	576292	4391034	39.6676	122.1106	39 40 03	122 06 38
21N/02W-20E01M	575512	4390277	39.6608	122.1197	39 39 39	122 07 11
21N/02W-22J01M	580181	4390227	39.6599	122.0653	39 39 36	122 03 55
21N/02W-23G01M	581217	4390612	39.6633	122.0532	39 39 48	122 03 12
21N/02W-23H01M	581957	4390572	39.6629	122.0446	39 39 46	122 02 40
21N/02W-24M01M	581949	4389850	39.6564	122.0448	39 39 23	122 02 41
21N/02W-25L01M	582602	4388271	39.6421	122.0373	39 38 32	122 02 14
21N/02W-25N01M	582003	4388176	39.6413	122.0443	39 38 29	122 02 40
21N/02W-28M01M	577293	4388612	39.6457	122.0992	39 38 44	122 05 57
21N/02W-31M01M	573822	4386933	39.6308	122.1398	39 37 51	122 08 23
21N/02W-35P01M	581232	4386267	39.6242	122.0536	39 37 27	122 03 13
21N/02W-36A01M	583062	4387507	39.6352	122.0321	39 38 07	122 01 56
21N/02W-36A02M	583062	4387507	39.6352	122.0321	39 38 07	122 01 56
21N/02W-36A03M	583062	4387507	39.6352	122.0321	39 38 07	122 01 56
21N/02W-36A04M	583203	4387531	39.6354	122.0304	39 38 07	122 01 50
21N/02W-36A05M	583120	4387426	39.6344	122.0314	39 38 04	122 01 53
21N/02W-36A07M	583070	4387300	39.6333	122.0320	39 38 00	122 01 55
21N/02W-36A08M	583070	4387300	39.6333	122.0320	39 38 00	122 01 55
21N/03W-02B01M	571427	4395779	39.7107	122.1668	39 42 39	122 10 00
21N/03W-06Q01M	565290	4394389	39.6987	122.2385	39 41 55	122 14 19
21N/03W-08C01M	566166	4394175	39.6967	122.2283	39 41 48	122 13 42
21N/03W-08D01M	565783	4394217	39.6971	122.2327	39 41 50	122 13 58
21N/03W-09R01M	568916	4392994	39.6859	122.1963	39 41 09	122 11 47
21N/03W-10J01M	570542	4393074	39.6864	122.1774	39 41 11	122 10 39
21N/03W-10M01M	569296	4393322	39.6888	122.1919	39 41 20	122 11 31
21N/03W-11G01M	571851	4393557	39.6907	122.1621	39 41 26	122 09 43
21N/03W-11M01M	570636	4393073	39.6864	122.1763	39 41 11	122 10 35
21N/03W-12C01M	572767	4394186	39.6963	122.1513	39 41 47	122 09 05
21N/03W-12C02M	572767	4394186	39.6963	122.1513	39 41 47	122 09 05

**Table 2 (continued)**  
**Locations for Glenn County Groundwater Level Monitoring Wells**

<b>State Well Number</b>	<b>UTM Coordinates</b>		<b>Latitude (Decimal Degrees)</b>	<b>Longitude (Decimal Degrees)</b>	<b>Latitude (Degrees Minutes Seconds)</b>	<b>Longitude (Degrees Minutes Seconds)</b>
	<b>East</b>	<b>North</b>				
21N/03W-14B01M	571567	4392578	39.6819	122.1655	39 40 55	122 09 56
21N/03W-18B01M	564948	4392278	39.6797	122.2427	39 40 47	122 14 34
21N/03W-18B02M	565047	4392692	39.6834	122.2415	39 41 00	122 14 29
21N/03W-20D02M	565796	4390976	39.6679	122.2329	39 40 05	122 13 59
21N/03W-22H01M	570205	4390340	39.6618	122.1816	39 39 43	122 10 54
21N/03W-24P01M	572983	4389778	39.6565	122.1493	39 39 24	122 08 57
21N/03W-29F02M	566352	4388651	39.6469	122.2267	39 38 49	122 13 36
21N/03W-31C02M	564987	4387780	39.6392	122.2427	39 38 21	122 14 34
21N/03W-31H01M	565734	4387125	39.6332	122.2340	39 38 00	122 14 02
21N/03W-31K01M	565150	4386910	39.6313	122.2409	39 37 53	122 14 27
21N/03W-31R01M	565813	4386316	39.6259	122.2332	39 37 33	122 13 59
21N/03W-31R02M	565744	4386249	39.6253	122.2340	39 37 31	122 14 02
21N/03W-31R03M	565744	4386249	39.6253	122.2340	39 37 31	122 14 02
21N/03W-31R04M	565744	4386249	39.6253	122.2340	39 37 31	122 14 02
21N/03W-31R05M	565744	4386249	39.6253	122.2340	39 37 31	122 14 02
21N/03W-31R06M	565744	4386249	39.6253	122.2340	39 37 31	122 14 02
21N/03W-32M01M	565877	4386881	39.6310	122.2324	39 37 52	122 13 57
21N/03W-32N01M	565805	4386522	39.6278	122.2333	39 37 40	122 14 00
21N/03W-33A04M	568648	4387769	39.6388	122.2000	39 38 20	122 12 00
21N/03W-35L01M	571075	4386736	39.6293	122.1718	39 37 45	122 10 19
21N/03W-35L02M	571010	4386719	39.6292	122.1726	39 37 45	122 10 21
21N/04W-12B02M	563506	4394161	39.6968	122.2593	39 41 48	122 15 34
21N/04W-12H01M	563873	4393739	39.6930	122.2551	39 41 35	122 15 18
21N/04W-23H01M	562574	4390630	39.6650	122.2705	39 39 54	122 16 14
21N/04W-24A02M	564181	4391005	39.6683	122.2517	39 40 06	122 15 06
22N/01W-29K01M	585714	4398098	39.7303	121.9998	39 43 49	121 59 59
22N/02W-03D04M	578715	4405520	39.7979	122.0806	39 47 52	122 04 50
22N/02W-03E01M	578778	4404828	39.7916	122.0799	39 47 30	122 04 48
22N/02W-03F01M	579035	4404839	39.7917	122.0769	39 47 30	122 04 37
22N/02W-05B01M	576169	4405528	39.7982	122.1103	39 47 53	122 06 37
22N/02W-05L02M	576122	4404584	39.7897	122.1110	39 47 23	122 06 40
22N/02W-08B02M	576242	4403890	39.7834	122.1097	39 47 00	122 06 35
22N/02W-08D01M	575317	4403652	39.7813	122.1205	39 46 53	122 07 14
22N/02W-08Q01M	576462	4402353	39.7695	122.1073	39 46 10	122 06 26
22N/02W-09L03M	577483	4403065	39.7759	122.0953	39 46 33	122 05 43

**Table 2 (continued)**  
**Locations for Glenn County Groundwater Level Monitoring Wells**

<b>State Well Number</b>	<b>UTM Coordinates</b>		<b>Latitude</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Longitude</b>
	<b>East</b>	<b>North</b>	(Decimal Degrees)	(Decimal Degrees)	(Degrees Minutes Seconds)	(Degrees Minutes Seconds)
22N/02W-11Q01M	581098	4402361	39.7692	122.0531	39 46 09	122 03 11
22N/02W-20P02M	576093	4399438	39.7433	122.1119	39 44 36	122 06 43
22N/02W-20Q01M	576165	4399119	39.7404	122.1111	39 44 26	122 06 40
22N/02W-21D01M	577294	4400349	39.7514	122.0978	39 45 05	122 05 52
22N/02W-21E01M	577302	4400325	39.7512	122.0977	39 45 04	122 05 52
22N/02W-21R01M	578389	4399494	39.7436	122.0851	39 44 37	122 05 06
22N/02W-23N01M	580369	4399259	39.7413	122.0620	39 44 29	122 03 43
22N/02W-31C01M	574388	4397236	39.7236	122.1321	39 43 25	122 07 55
22N/02W-31Q01M	574922	4396084	39.7132	122.1260	39 42 47	122 07 33
22N/02W-32H03M	576902	4396963	39.7209	122.1028	39 43 15	122 06 10
22N/02W-36D01M	582076	4397352	39.7240	122.0423	39 43 26	122 02 32
22N/03W-03D01M	568925	4405452	39.7981	122.1949	39 47 53	122 11 42
22N/03W-04C01M	567891	4405164	39.7956	122.2070	39 47 44	122 12 25
22N/03W-04E01M	567408	4405058	39.7947	122.2127	39 47 41	122 12 46
22N/03W-05F01M	566163	4405149	39.7956	122.2272	39 47 44	122 13 38
22N/03W-05F02M	566209	4405160	39.7957	122.2267	39 47 44	122 13 36
22N/03W-06H01M	565534	4405033	39.7946	122.2346	39 47 41	122 14 04
22N/03W-07C01M	564616	4403681	39.7825	122.2454	39 46 57	122 14 44
22N/03W-10Q01M	570095	4402372	39.7703	122.1816	39 46 13	122 10 54
22N/03W-12Q03M	573021	4402499	39.7712	122.1474	39 46 16	122 08 51
22N/03W-17E01M	566082	4401890	39.7662	122.2285	39 45 58	122 13 43
22N/03W-17Q01M	566831	4401045	39.7586	122.2198	39 45 31	122 13 11
22N/03W-21F01M	567844	4399885	39.7480	122.2081	39 44 53	122 12 29
22N/03W-21F02M	567912	4399950	39.7486	122.2073	39 44 55	122 12 26
22N/03W-29B01M	566660	4398683	39.7373	122.2221	39 44 14	122 13 19
22N/03W-29F01M	566241	4398679	39.7373	122.2270	39 44 14	122 13 .37
22N/03W-30C01M	564484	4398918	39.7396	122.2474	39 44 22	122 14 51
22N/03W-31F01M	564708	4396765	39.7202	122.2450	39 43 13	122 14 42
22N/03W-32R01M	567034	4395879	39.7120	122.2180	39 42 43	122 13 05
22N/03W-33A01M	568882	4397391	39.7255	122.1963	39 43 32	122 11 47
22N/03W-33A02M	568882	4397391	39.7255	122.1963	39 43 32	122 11 47
22N/03W-34A01M	570252	4397367	39.7251	122.1803	39 43 31	122 10 49
22N/04W-12L01M	562843	4403014	39.7766	122.2662	39 46 36	122 15 58
22N/04W-35F01M	561685	4396757	39.7203	122.2803	39 43 13	122 16 49

# **Well Qualification**

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Well qualification is a standardized process to identify the aquifer(s) associated with individual monitoring wells. Table 3 shows the qualification of each well. Figure 2 is a stratigraphic column which shows the relationship between the geologic formations and their general physical and water bearing characteristics.

A groundwater basin is often stratified with several layers of pervious, impervious and semi-impervious material. These layers form an upper unconfined and one or more lower confined to semi-confined zones (described as groundwater bodies or aquifers). Water wells may draw from two or more different aquifers.

In order to compare and understand the water level data from various monitoring wells, one must identify which aquifer(s) each well is drawing from by qualifying the wells.

There are four components in well qualification. They are:

- I. The groundwater body classification of the well's groundwater aquifer(s).
  1. Unconfined groundwater body.
  2. Semi-confined groundwater body.
  3. Confined groundwater body.
  4. Previously named zone either confined or unconfined, i.e., "A" zone confined, or "Silverado."
  5. Composite, consisting of both free and confined groundwater bodies.
- II. The confidence associated with the groundwater body classification.
  1. Definite: Evidence is conclusive.
  2. Probable: Evidence is not conclusive, but includes fairly convincing evidence in support.
  3. Possible: Evidence is not conclusive and not as firm as probable, but evidence indicates that it could be or that it is possible.
- III. The hydrogeologic unit as the water bearing material associated with the groundwater body. (i.e. Qal - Alluvium, Ttu - Tuscan Formation etc.)
- IV. The date of qualification and the licensed professional who qualified the well.

## **Well Qualification (continued)**

Information used to qualify a well may be found from the following sources:

- Well Completion Reports (Drillers' Well Logs) may contain the log of geologic formation by depth of the bore hole, well construction information, and well test information such as drawdown and yield. When no well completion report is available, a report of a nearby well is substituted and the degree of certainty is reduced to probable or possible in qualifying the well.
- Geologic maps.
- Water level records are analyzed for patterns of water level fluctuation.
- Electric logs - chart the resistivity vs. depth of a well. They are used to locate the vertical boundaries of water-bearing materials.
- Pump test records.
- Water quality and temperature records.

The amount of information available for a well affects the degree of certainty of the groundwater body classification.

**Table 3**  
**Well Qualification for Glenn County Monitoring Wells**

State Well Number	Well Completion Report Number	Well Use	Groundwater Body	Hydrogeologic Units	Confidence
18N/01E-17D01M		Observation	Unconfined	Qml	Definite
18N/01W-17G01M	46326	Irrigation	Unconfined	Qa	Definite
18N/01W-22L01M	DWR	Irrigation	Composite	Tte	Probable
18N/03W-09A01M		Domestic	Confined	Tte	Probable
18N/03W-09A02M		Unused	Unconfined	Qrl	Possible
18N/03W-10K02M	127079	Domestic	Confined	Tte	Probable
18N/03W-10L01M		Unused	Unconfined	Qb+Tte	Probable
18N/03W-22D01M		Observation	Unconfined	Qml	Probable
18N/04W-11B03M		Domestic	Unconfined	Tte	Probable
18N/04W-12A01M		Irrigation	Unconfined	Tte	Probable
18N/04W-23F01M		Irrigation	Composite	Km	Probable
19N/01E-08R01M		Stock	Unconfined	Qb	Probable
19N/01W-15D01M	31597	Domestic	Unconfined	Qml+Ttu	Possible
19N/01W-27R01M	42168	Irrigation	Composite	Ttu	Probable
19N/02W-09A01M		Observation	Unconfined	Qb	Probable
19N/02W-13J01M		Unused	Unconfined	Tte	Probable
19N/02W-23Q01M		Observation	Unconfined	Qb	Probable
19N/02W-23Q02M		Domestic	Semi-confined	Tte	Probable
19N/02W-29Q01M		Domestic	Confined	Tte	Probable
19N/02W-34F01M		Domestic	Composite	Qb+Tte	Probable
19N/02W-36H01M		Domestic	Unconfined	Qb	Probable
19N/03W-01H01M		Domestic	Semi-confined	Qml+Tte	Probable
19N/03W-01N01M		Observation	Unconfined	Qb	Probable
19N/03W-06N02M		Irrigation	Confined	Qb+Tte	Probable
19N/03W-07J01M		Irrigation	Confined	Tte	Probable
19N/03W-07N01M		Domestic	Confined	Tte	Probable
19N/03W-08B01M	33080	Domestic/Stock	Confined	Tte	Probable
19N/03W-26P01M	41074	Domestic	Confined	Tte	Probable
19N/03W-31B01M	93590	Irrigation	Confined	Tte	Probable
19N/03W-32E01M		Irrigation	Confined	Tte	Probable
19N/04W-01A01M	DWR	Irrigation	Confined	Tte	Probable
19N/04W-12E01M	DWR	Domestic	Confined	Tte	Possible
19N/04W-25B01M		Irrigation	Composite	Qrl+Tte	Possible
20N/01W-07B01M		Domestic	Unconfined	Qml+Tte	Possible
20N/01W-31E01M		Domestic	Composite	Tte	Possible
20N/02W-02J01M		Domestic	Unconfined	Qb+Tte	Probable
20N/02W-05A01M		Irrigation	Confined	Tte	Possible
20N/02W-11A01M	DWR	Observation	Unconfined	Tte	Probable
20N/02W-11A02M	DWR	Observation	Confined	Tte	Definite
20N/02W-11A03M	DWR	Observation	Confined	Tte	Definite

**Table 3 (continued)**  
**Well Qualification for Glenn County Monitoring Wells**

<b>State Well Number</b>	<b>Well Completion Report Number</b>	<b>Well Use</b>	<b>Groundwater Body</b>	<b>Hydrogeologic Units</b>	<b>Confidence</b>
20N/02W-13G01M		Domestic	Composite	Tte	Possible
20N/02W-27J01M		Domestic	Composite	Qb+Tte	Probable
20N/02W-29G01M		Domestic	Composite	Tte	Probable
20N/03W-03D02M		Irrigation	Confined	Tte	Probable
20N/03W-07K03M		Domestic	Confined	Tte	Probable
20N/03W-12C01M		Irrigation	Confined	Tte	Probable
20N/03W-17P01M	1391	Irrigation	Confined	Tte	Probable
20N/03W-19B01M	USBR	Stock	Unconfined	Qb+Tte	Possible
20N/03W-19N01M		Irrigation	Confined	Tte	Probable
20N/03W-19Q01M		Irrigation	Confined	Tte	Probable
20N/03W-21A02M		Domestic	Composite	Qrl+Tte	Possible
20N/03W-21A03M		Irrigation	Confined	Tte	Possible
20N/03W-23G02M	41903	Irrigation	Confined	Tte	Probable
20N/03W-24B01M		Unused	Unconfined	Qru	Probable
20N/03W-25P01M		Unused	Unconfined	Qru+Tte	Probable
20N/03W-25Q01M		Domestic/Irrigation	Confined	Tte	Possible
20N/03W-29P01M		Irrigation	Confined	Tte	Possible
20N/03W-29R01M	USGS	Irrigation	Unconfined	Tte	Possible
20N/03W-31A01M		Domestic	Confined	Tte	Possible
20N/03W-31A02M		Domestic	Confined	Tte	Possible
20N/03W-31A03M		Unused	Confined	Tte	Possible
20N/03W-32Q01M	93587	Irrigation	Confined	Tte	Probable
20N/03W-33J01M	USGS	Irrigation	Confined	Tte	Probable
20N/04W-12F02M	120058	Domestic	Confined	Tte	Probable
20N/04W-25J01M		Irrigation	Confined	Tte	Possible
21N/01W-04N01M		Domestic/Irrigation	Confined	Tte	Probable
21N/01W-17F01M		Domestic	Unconfined	Qml+Tte	Probable
21N/01W-31E01M		Domestic	Unconfined	Qml+Tte	Possible
21N/01W-32N01M		Domestic	Unconfined	Qml+Tte	Possible
21N/02W-02B01M		Unused	Confined	Qml+Tte	Probable
21N/02W-02B02M		Domestic	Confined	Tte	Probable
21N/02W-03Q01M		Unused	Confined	Qrl+Tte	Possible
21N/02W-07E01M	54638	Irrigation	Composite	Qru+Tte	Probable
21N/02W-09M02M		Irrigation	Confined	Qaf+Tte	Probable
21N/02W-15B01M	USGS	Domestic/Irrigation	Confined	Tte	Probable
21N/02W-19N01M	DRLR'S	Irrigation	Composite	Qrl+Tte	Probable
21N/02W-20B01M	DWR	Irrigation	Confined	Tte	Probable
21N/02W-20E01M		Domestic	Unconfined	Qru+Tte	Probable
21N/02W-22J01M		Stock	Composite	Qru+Tte	Possible
21N/02W-23G01M		Irrigation	Confined	Tte	Probable

**Table 3 (continued)**  
**Well Qualification for Glenn County Monitoring Wells**

State Well Number	Well Completion Report Number	Well Use	Groundwater Body	Hydrogeologic Units	Confidence	
21N/02W-23H01M	DWR	Stock	Unconfined	Qru+Tte	Probable	
21N/02W-24M01M		Irrigation	Confined	Tte	Possible	
21N/02W-25L01M		Irrigation	Confined	Tte	Possible	
21N/02W-25N01M		Irrigation	Confined	Tte	Possible	
21N/02W-28M01M		Irrigation	Composite	Qrl+Tte	Probable	
21N/02W-31M01M		Irrigation	Confined	Tte	Possible	
21N/02W-35P01M		Unused	Unconfined	Qb	Probable	
21N/02W-36A01M		315499	Irrigation	Confined	Tte	Probable
21N/02W-36A02M		315497	Monitoring	Composite	Tte	Possible
21N/02W-36A03M		315498	Monitoring	Unconfined	Qm	Possible
21N/02W-36A04M	315496	Monitoring	Unconfined	Qm	Possible	
21N/02W-36A05M		Unused	Composite	Qm + Tte	Possible	
21N/02W-36A07M	315494	Monitoring	Composite	Tte	Probable	
21N/02W-36A08M	315495	Monitoring	Unconfined	Qm	Probable	
21N/03W-02B01M		Irrigation	Confined	Tte	Possible	
21N/03W-06Q01M	USGS	Unused	Unconfined	Qr+Tte	Possible	
21N/03W-08C01M		Irrigation	Confined	Tte	Possible	
21N/03W-08D01M		Irrigation	Composite	Qr	Probable	
21N/03W-09R01M		Domestic	Confined	Tte	Probable	
21N/03W-10J01M		Domestic	Composite	Qr+Tte	Possible	
21N/03W-10M01M	USGS	Irrigation	Confined	Tte	Probable	
21N/03W-11G01M	DWR	Domestic/Irrigation	Confined	Tte	Probable	
21N/03W-11M01M		Irrigation	Confined	Tte	Probable	
21N/03W-12C01M	DWR	Domestic/Stock	Composite	Qru+Tte	Probable	
21N/03W-12C02M		Irrigation	Confined	Tte	Probable	
21N/03W-14B01M	DWR	Irrigation	Confined	Tte	Probable	
21N/03W-18B01M		Irrigation	Confined	Tte	Probable	
21N/03W-18B02M		Irrigation	Confined	Tte	Possible	
21N/03W-20D02M		Irrigation	Confined	Tte	Probable	
21N/03W-22H01M		Irrigation	Composite	Tte	Probable	
21N/03W-24P01M	64111	Irrigation	Confined	Tte	Probable	
21N/03W-29F02M		Irrigation	Confined	Tte	Probable	
21N/03W-31C02M	57173	Domestic	Composite	Qml+Tte	Possible	
21N/03W-31H01M		Domestic	Confined	Tte	Probable	
21N/03W-31K01M		Stock	Composite	Tte	Possible	
21N/03W-31R01M	DWR	Observation	Unconfined	Qml	Probable	
21N/03W-31R02M		Observation	Confined	Tte	Definite	
21N/03W-31R03M		Observation	Confined	Tte	Definite	
21N/03W-31R04M		Observation	Confined	Tte	Definite	
21N/03W-31R05M		Observation	Confined	Tte	Definite	

**Table 3 (continued)**  
**Well Qualification for Glenn County Monitoring Wells**

<b>State Well Number</b>	<b>Well Completion Report Number</b>	<b>Well Use</b>	<b>Groundwater Body</b>	<b>Hydrogeologic Units</b>	<b>Confidence</b>
21N/03W-31R06M	DWR	Observation	Unconfined	Tte	Definite
21N/03W-32M01M		Unused	Unconfined	Qml	Probable
21N/03W-32N01M		Irrigation	Confined	Tte	Probable
21N/03W-33A04M		Irrigation	Confined	Tte	Probable
21N/03W-35L01M		Irrigation	Confined	Tte	Probable
21N/03W-35L02M	73076	Domestic	Confined	Tte	Definite
21N/04W-12B02M	57136	Irrigation	Confined	Tte	Probable
21N/04W-12H01M	57137	Irrigation	Confined	Tte	Probable
21N/04W-23H01M		Unused	Confined	Tte	Probable
21N/04W-24A02M	4728	Domestic	Confined	Tte	Probable
22N/01W-29K01M	USBR	Irrigation	Composite	Qml+Tte	Probable
22N/02W-03D04M		Unused	Composite	Qrl+Tte	Possible
22N/02W-03E01M	129459	Irrigation	Composite	Tte	Probable
22N/02W-03F01M	USGS	Irrigation	Confined	Tte	Probable
22N/02W-05B01M		Domestic	Confined	Tte	Possible
22N/02W-05L02M		Domestic/Stock	Unconfined	Qru+Tte	Probable
22N/02W-08B02M	USGS	Unused	Composite	Qru+Tte	Possible
22N/02W-08D01M		Irrigation	Confined	Tte	Probable
22N/02W-08Q01M		Unused	Unconfined	Qr+Tte	Possible
22N/02W-09L03M	10908	Irrigation	Confined	Tte	Probable
22N/02W-11Q01M	DWR	Irrigation	Composite	Qr+Tte	Probable
22N/02W-20P02M		Unused	Unconfined	Qm	Probable
22N/02W-20Q01M	42514	Domestic	Unconfined	Qm+Tte	Probable
22N/02W-21D01M		Irrigation	Composite	Qmu+Tte	Probable
22N/02W-21E01M		Unused	Composite	Tte	Probable
22N/02W-21R01M		Irrigation	Composite	Tte	Probable
22N/02W-23N01M		Unused	Composite	Tte	Probable
22N/02W-31C01M	93536	Domestic	Confined	Tte	Probable
22N/02W-31Q01M		Stock	Unconfined	Qml+Tte	Probable
22N/02W-32H03M		Domestic	Unconfined	Qml+Tte	Probable
22N/02W-36D01M		Recharge	Composite	Qml+Tte	Possible
22N/03W-03D01M		Domestic	Confined	Tte	Probable
22N/03W-04C01M		Domestic/Stock	Confined	Tte	Probable
22N/03W-04E01M		Domestic/Stock	Composite	Qrl+Tte	Probable
22N/03W-05F01M		Domestic	Unconfined	Tte	Possible
22N/03W-05F02M	18414	Irrigation	Confined	Tte	Probable
22N/03W-06H01M	4714	Domestic	Composite	Qmu+Tte	Probable
22N/03W-07C01M		Irrigation	Unconfined	Qsc	Definite
22N/03W-10Q01M		Domestic	Unconfined	Qr+Tte	Probable
22N/03W-12Q03M	42543	Domestic	Confined	Tte	Probable

**Table 3 (continued)**  
**Well Qualification for Glenn County Monitoring Wells**

<b>State Well Number</b>	<b>Well Completion Report Number</b>	<b>Well Use</b>	<b>Groundwater Body</b>	<b>Hydrogeologic Units</b>	<b>Confidence</b>
22N/03W-17E01M	48201	Domestic	Unconfined	Tte	Probable
22N/03W-17Q01M		Domestic	Composite	Tte	Probable
22N/03W-21F01M		Domestic	Composite	Qm+Tte	Possible
22N/03W-21F02M	13169	Domestic	Confined	Tte	Probable
22N/03W-29B01M		Domestic	Composite	Qr+Tte	Possible
22N/03W-29F01M		Observation	Unconfined	Qr	Definite
22N/03W-30C01M	54637	Domestic	Confined	Tte	Probable
22N/03W-31F01M		Domestic	Unconfined	Qrl+Tte	Probable
22N/03W-32R01M		Domestic	Unconfined	Tte	Probable
22N/03W-33A01M		Domestic	Unconfined	Qru+Tte	Probable
22N/03W-33A02M		Domestic	Confined	Tte	Possible
22N/03W-34A01M	65527	Domestic	Confined	Tte	Probable
22N/04W-12L01M		Domestic/Stock	Unconfined	Qml	Definite
22N/04W-35F01M	10388	Irrigation	Confined	Tte	Possible

**Hydrogeologic Units**

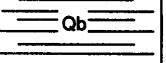
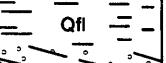
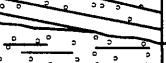
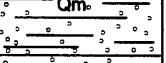
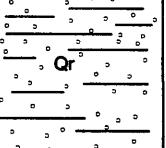
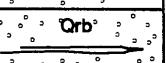
Qfl - Floodplain deposits  
 Qaf - Alluvial fan deposits  
 Qob - Older alluvium  
 Qsc - Stream channel deposits  
 Qb - Basin Deposits  
 Qm - Modesto Formation undifferentiated  
 Qmu - Upper member of the Modesto Formation  
 Qml - Lower member of the Modesto Formation  
 Qr - Riverbank Formation undifferentiated  
 Qru - Upper member of the Riverbank Formation  
 Qrl - Lower member of the Riverbank Formation  
 Qrb - Red Bluff Formation  
 Tte - Tehama Formation  
 Ttu - Tuscan Formation  
 Km - Great Valley Sequence

**Groundwater Body**

Unconfined - Represents the free groundwater level in the uppermost zone of saturation.  
 Semi-confined - Represents a water level that locally appears confined but regionally is unconfined.  
 Confined - Represents the piezometric surface of an aquifer under pressure.  
 Composite - Represents a water level that includes one or more confined levels and the unconfined groundwater level.

**Figure 2**  
**Geologic Formations in the Sacramento Valley Groundwater Basin**

GEOLOGIC AGE		FORMATION	STRATIGRAPHY	APPROXIMATE THICKNESS IN FEET	PHYSICAL CHARACTERISTICS	WATER-BEARING CHARACTERISTICS
CENOZOIC	QUATERNARY	STREAM CHANNEL DEPOSITS		0-15	Unconsolidated clay, silt, sand and gravel Qa- Alluvium	Highly permeable, good recharge
		BASIN DEPOSITS		0-15	Unconsolidated clay and silt	Moderately permeable
		FLOODPLAIN DEPOSITS		0-15	Mostly floodplain silts and sands underlain by gravel	Moderately permeable
		ALLUVIAL FAN		0-30	Mostly sand and gravel	Highly permeable, good recharge
	PLEISTOCENE	MODESTO FORMATION		0-15	Poorly sorted fluvial deposits on terraces Qmu- Upper Member Qml- Lower Member	Moderately to highly permeable with good recharge
		RIVER BANK FORMATION		0-15	Poorly sorted fluvial deposits on terraces Qu- Upper Member Qrl- Lower Member	Moderately permeable with clay layers
		RED BLUFF FORMATION		0-15	Clayey, poorly sorted reddish gravel with hardpans	Poorly permeable contains perched water
	TERTIARY	TUSCAN AND TEHAMA FORMATIONS		0-2000	TUSCAN: Semi-consolidated beds of tuff-breccia, tuff, clay, silt, sand, and gravel derived from the Cascade Range  TEHAMA: Semi-consolidated beds and lenses of clay, silt, sand, and gravel derived from the Coast Ranges.	Volcanic sand and gravel moderate to highly permeable, mudflows poorly permeable  Gravel and sand lenses highly permeable, silt and clay lenses poorly permeable
		NOMLAKI TUFF MEMBER		0-60	White tuffs and tuff breccias	Poorly permeable
		GREAT VALLEY SEQUENCE		0-?	Marine conglomerate, sandstone, and shale	Poorly permeable

## **Groundwater Level Measurements**

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Water levels in all wells are measured using a steel tape or electric probe. All measurements of water levels should be accurate to the nearest tenth of a foot. The groundwater surface elevations presented in this report are calculated using the water level measurements and ground surface elevations at each well. Most of the ground surface elevations were estimated from USGS 7.5 quadrangles. Accuracy of these elevations is dependent on the contour intervals of the maps, which range from 5 to 40 feet.

Groundwater level data for each well are depicted on the hydrographs in Appendix A. The hydrographs represent water level data through November 1996 and are organized by township from south to north and by range alphabetically.

On the hydrographs, solid circles (dots) depict actual measured groundwater elevations. Individual measurements that are questionable are identified by a number of other symbols identifying the questionable measurement type. Solid lines connecting individual measurements are interpolations of the change in groundwater elevation between measurements. Discontinuities on the graphs indicate an expected measurement is missing. Ground surface elevations at the wells are represented as long, solid horizontal lines.

Hydrographs representing monthly and quarterly monitoring wells have a higher concentration of data points compared to hydrographs representing semi-annual measurement wells.

Data points that appear "unusual" were checked against field records and retained to preserve the objectivity of the groundwater level records.

## **Groundwater Level Trends**

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Groundwater levels fluctuate annually in response to groundwater extractions, subsurface inflow and outflow, recharge from precipitation, stream percolation, and infiltration of applied irrigation water. Levels are usually highest in the spring and lowest in the fall. Longer term fluctuations occur when discharge exceeds or is less than recharge over several seasons. Hydrographs are graphical plots of the groundwater level measurements and illustrate annual spring to fall changes, long-term changes linked to increased or decreased groundwater extraction, or variations associated with wet or dry climatic conditions.

In general, the hydrographs in Appendix A show:

- Groundwater level declines in some of the wells are associated with the 1976-1977 and 1987-1992 drought periods.
- All groundwater levels recovered from the 1976-1977 to pre-drought levels during the wet period in the early 1980's. Most of the groundwater levels recovered from the 1987-1992 drought during the wet 1992- 1993 winter and spring.
- The introduction of surface water from the Tehama-Colusa Canal reduced the need for groundwater pumpage and allowed the groundwater level to rise in the areas receiving the introduced surface water.
- The hydrographs show that wells 19N/04W-12E01M and 21N/02W-09M02M had spring to fall groundwater level fluctuations from 15 to 20 feet. After importation of Tehama-Colusa Canal water in the late 1970s, the fluctuations were reduced to less than 10 feet due to reduced groundwater pumpage. Wells in the rice growing areas show almost no seasonal fluctuation at the groundwater table near the surface. This is because there is little use of the groundwater in the area and deep percolation from applied surface water keeps the groundwater basin full.

## Appendix A

### Hydrographs

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<u>State Well Number . Page</u>	<u>State Well Number . Page</u>	<u>State Well Number . Page</u>
18N/01E-17D01M ..... 29	20N/02W-02J01M ..... 64	21N/02W-02B02M ..... 99
18N/01W-17G01M ..... 30	20N/02W-05A01M ..... 65	21N/02W-03Q01M ..... 100
18N/01W-22L01M ..... 31	20N/02W-11A01M ..... 66	21N/02W-07E01M ..... 101
18N/03W-09A01M ..... 32	20N/02W-11A02M ..... 67	21N/02W-09M02M ..... 102
18N/03W-09A02M ..... 33	20N/02W-11A03M ..... 68	21N/02W-15B01M ..... 103
18N/03W-10K02M ..... 34	20N/02W-13G01M ..... 69	21N/02W-19N01M ..... 104
18N/03W-10L01M ..... 35	20N/02W-27J01M ..... 70	21N/02W-20B01M ..... 105
18N/03W-22D01M ..... 36	20N/02W-29G01M ..... 71	21N/02W-20E01M ..... 106
18N/04W-11B03M ..... 37	20N/03W-03D02M ..... 72	21N/02W-22J01M ..... 107
18N/04W-12A01M ..... 38	20N/03W-07K03M ..... 73	21N/02W-23G01M ..... 108
18N/04W-23F01M ..... 39	20N/03W-12C01M ..... 74	21N/02W-23H01M ..... 109
19N/01E-08R01M ..... 40	20N/03W-17P01M ..... 75	21N/02W-24M01M ..... 110
19N/01W-15D01M ..... 41	20N/03W-19B01M ..... 76	21N/02W-25L01M ..... 111
19N/01W-27R01M ..... 42	20N/03W-19N01M ..... 77	21N/02W-25N01M ..... 112
19N/02W-09A01M ..... 43	20N/03W-19Q01M ..... 78	21N/02W-28M01M ..... 113
19N/02W-13J01M ..... 44	20N/03W-21A02M ..... 79	21N/02W-31M01M ..... 114
19N/02W-23Q01M ..... 45	20N/03W-21A03M ..... 80	21N/02W-35P01M ..... 115
19N/02W-23Q02M ..... 46	20N/03W-23G02M ..... 81	21N/02W-36A01M ..... 116
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19N/02W-34F01M ..... 48	20N/03W-25P01M ..... 83	21N/02W-36A03M ..... 118
19N/02W-36H01M ..... 49	20N/03W-25Q01M ..... 84	21N/02W-36A04M ..... 119
19N/03W-01H01M ..... 50	20N/03W-29P01M ..... 85	21N/02W-36A05M ..... 120
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19N/03W-06N02M ..... 52	20N/03W-31A01M ..... 87	21N/02W-36A08M ..... 122
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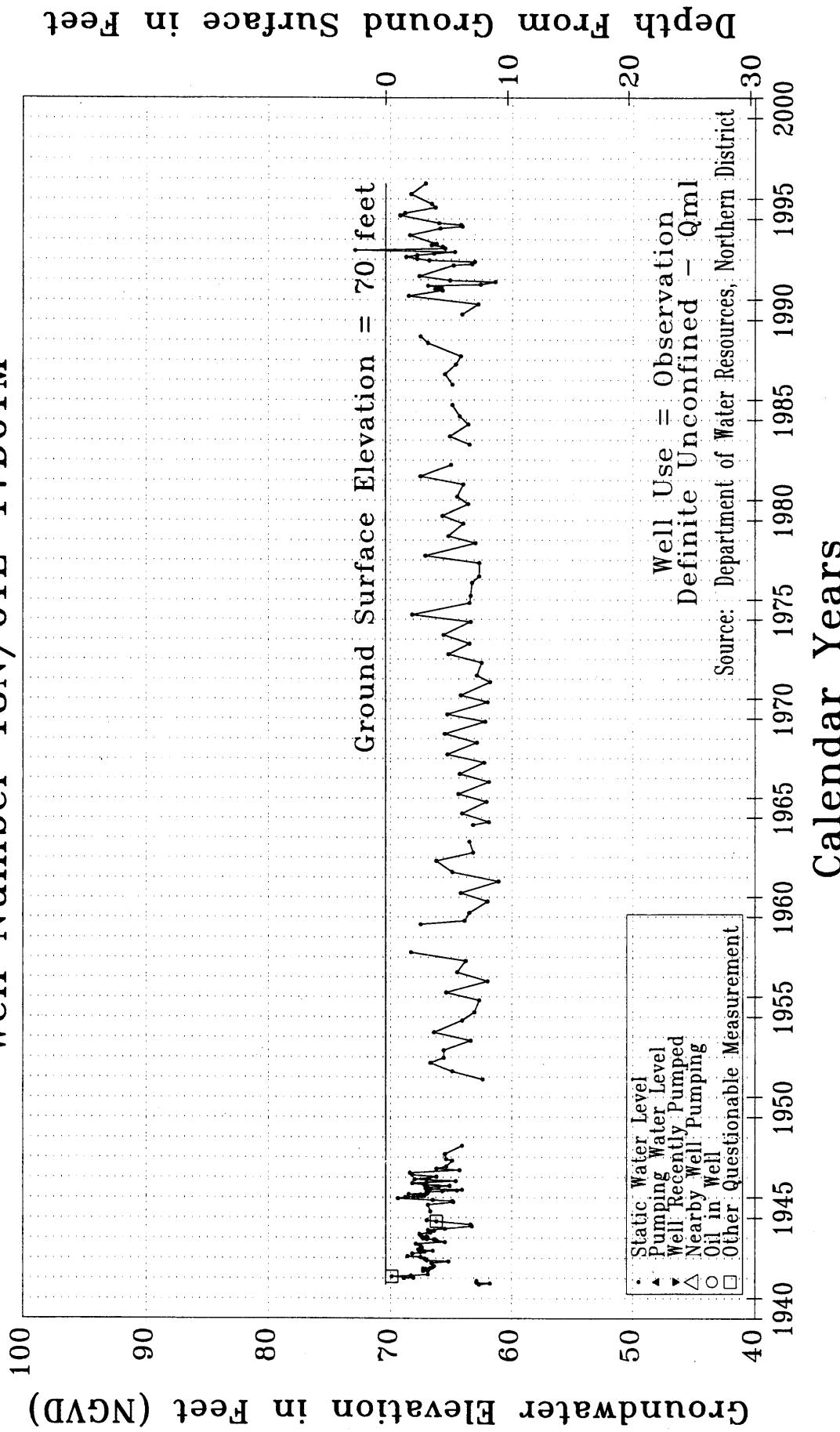
## Appendix A (continued)

### Hydrographs

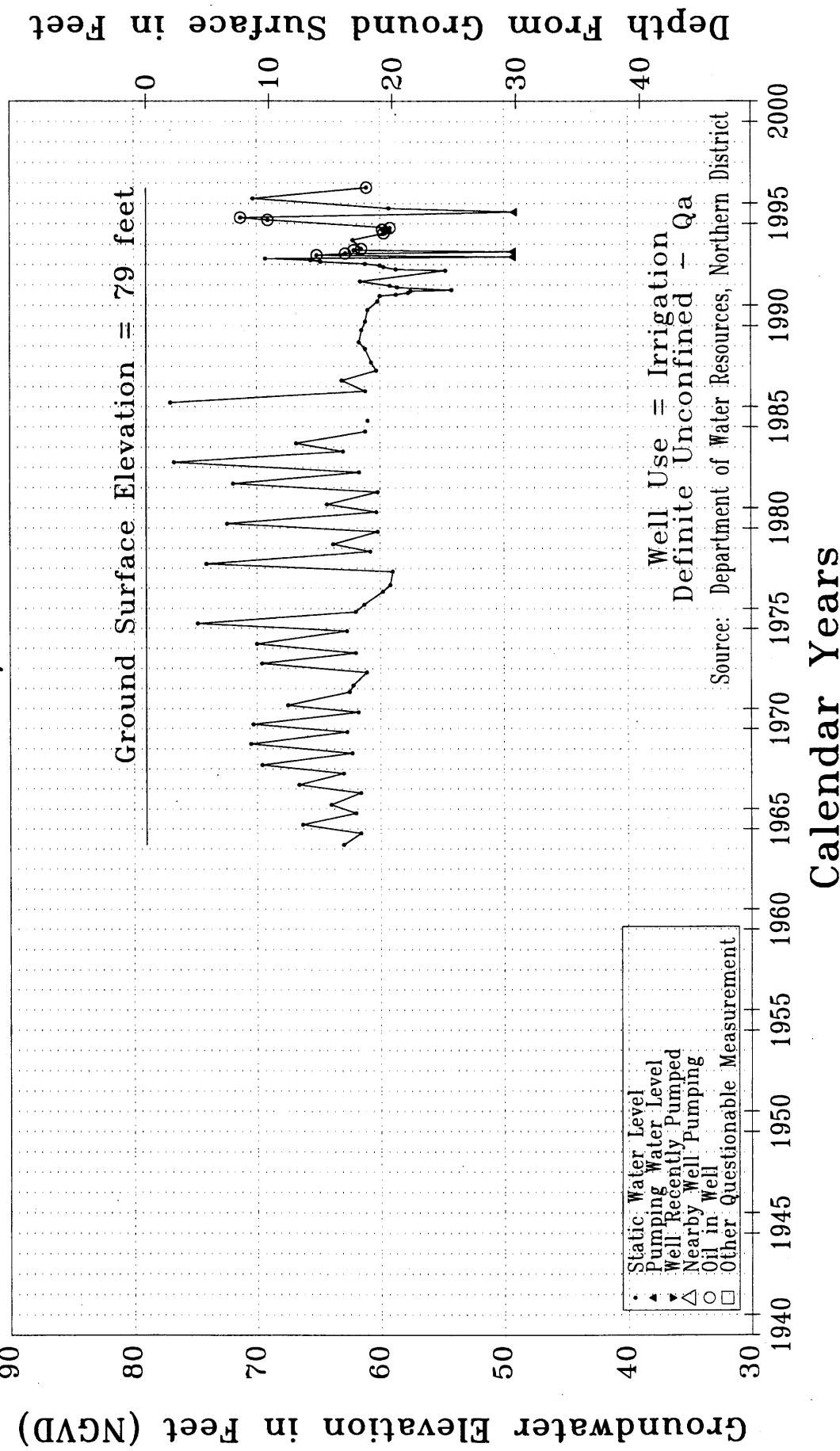
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21N/03W-24P01M ..... 139	22N/02W-21R01M ..... 174
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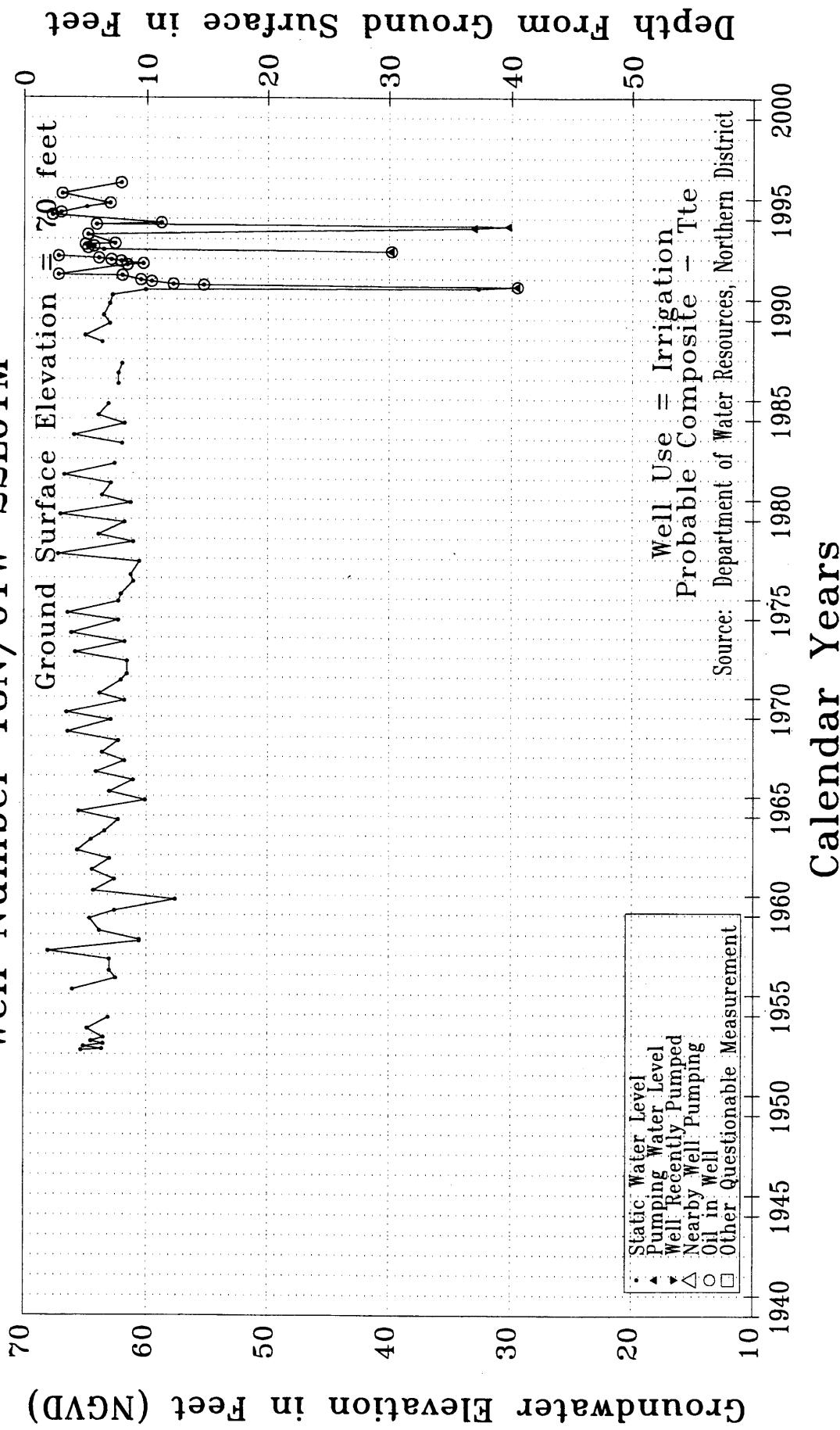
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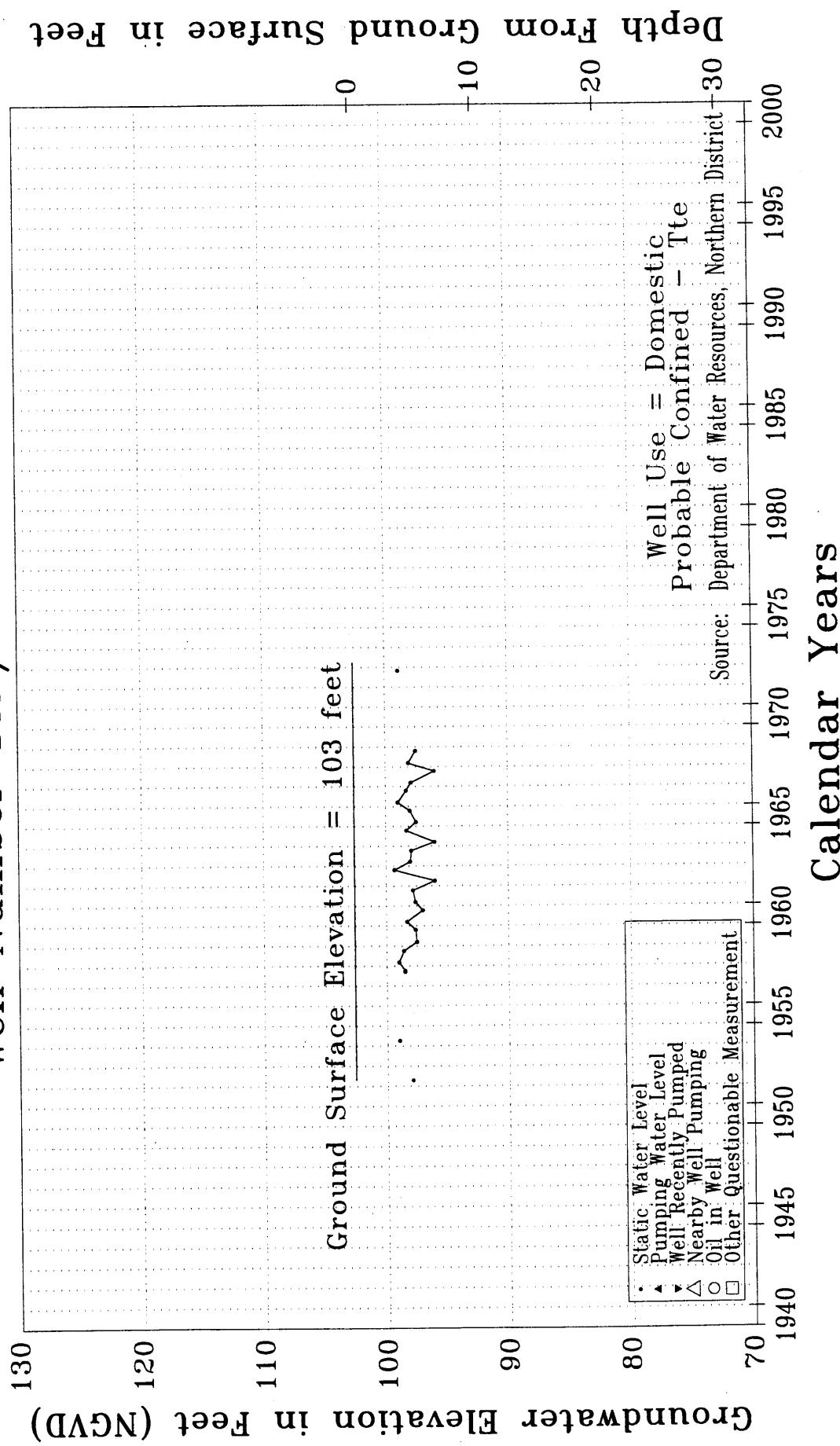
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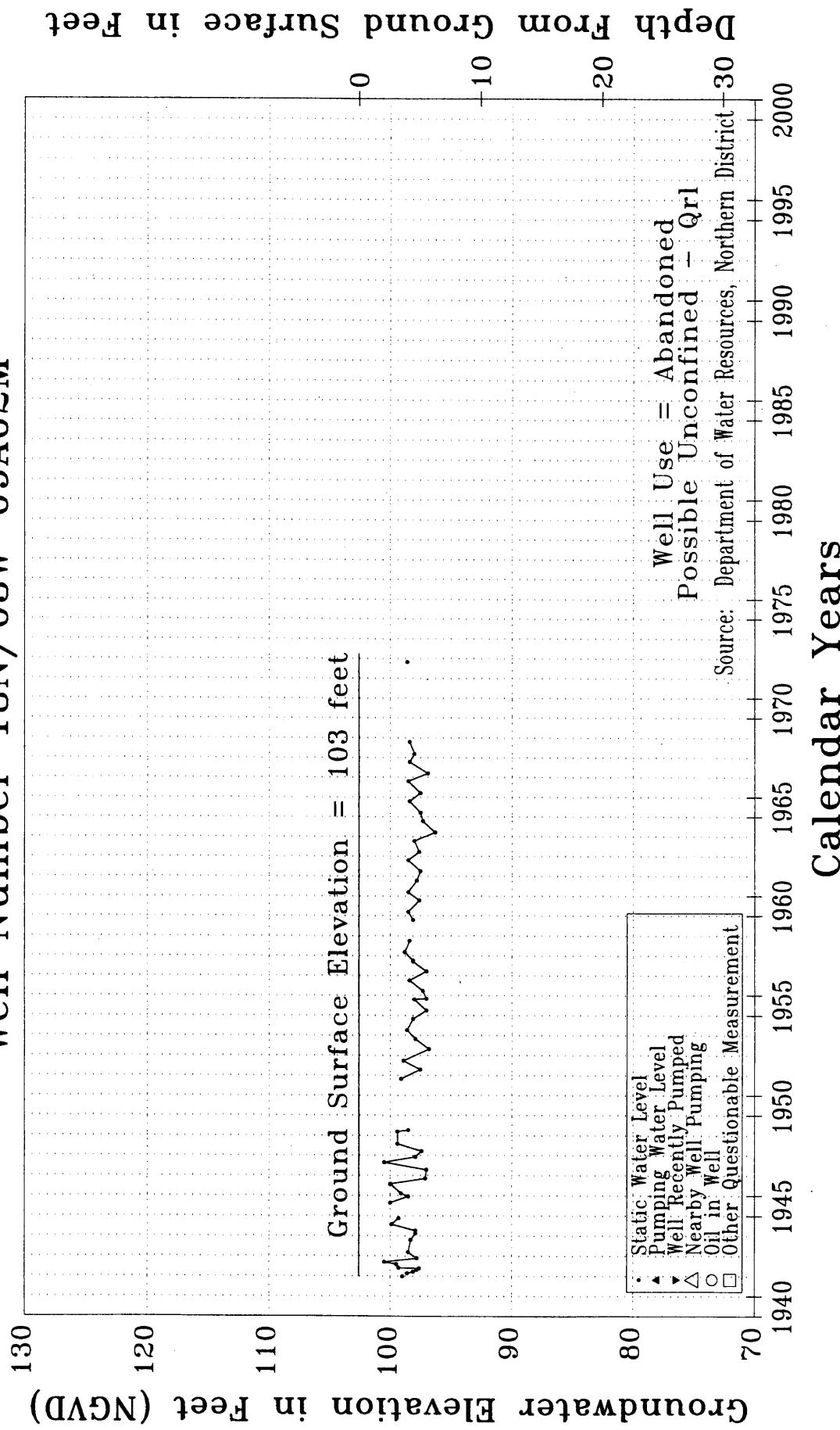
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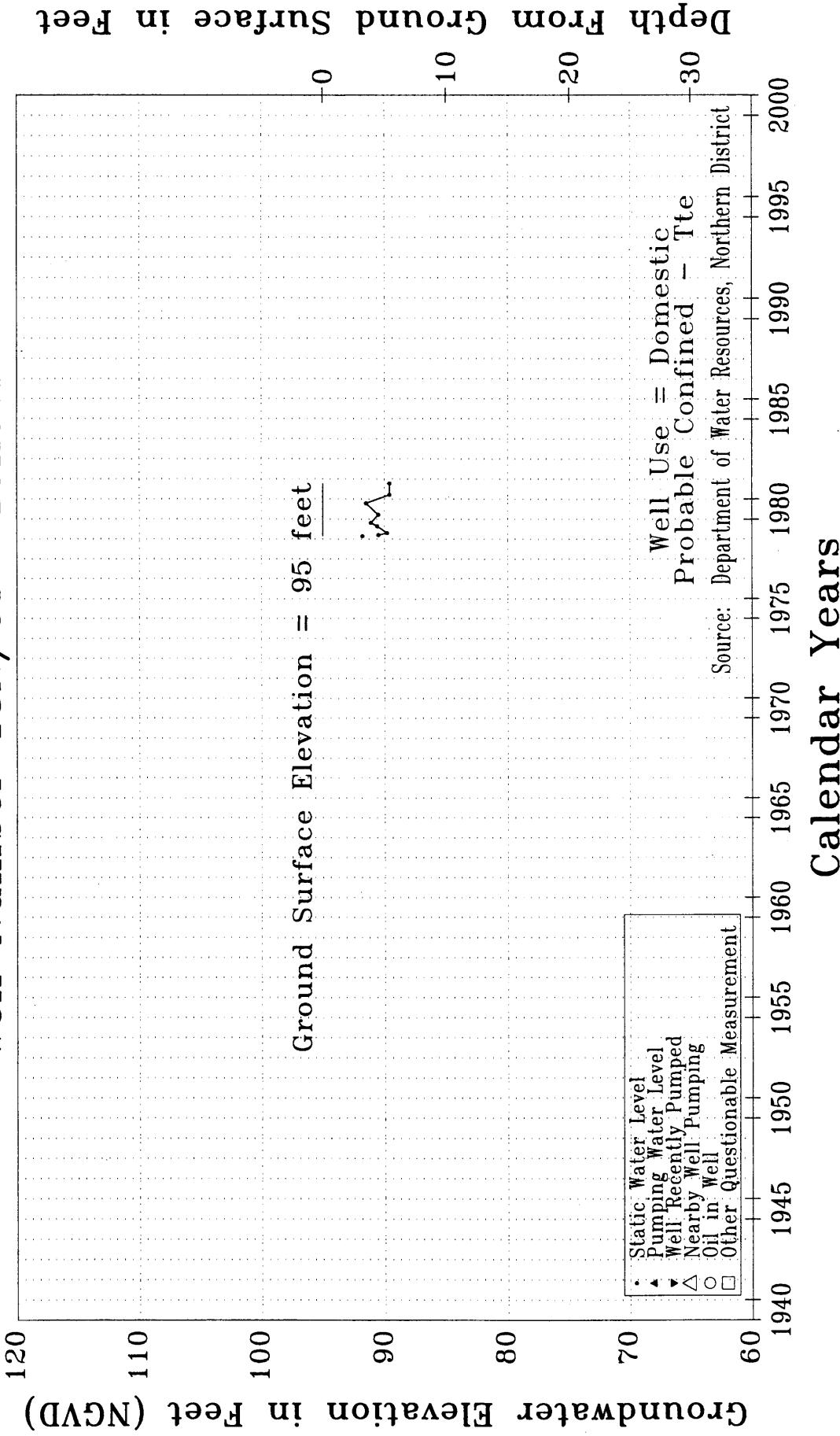
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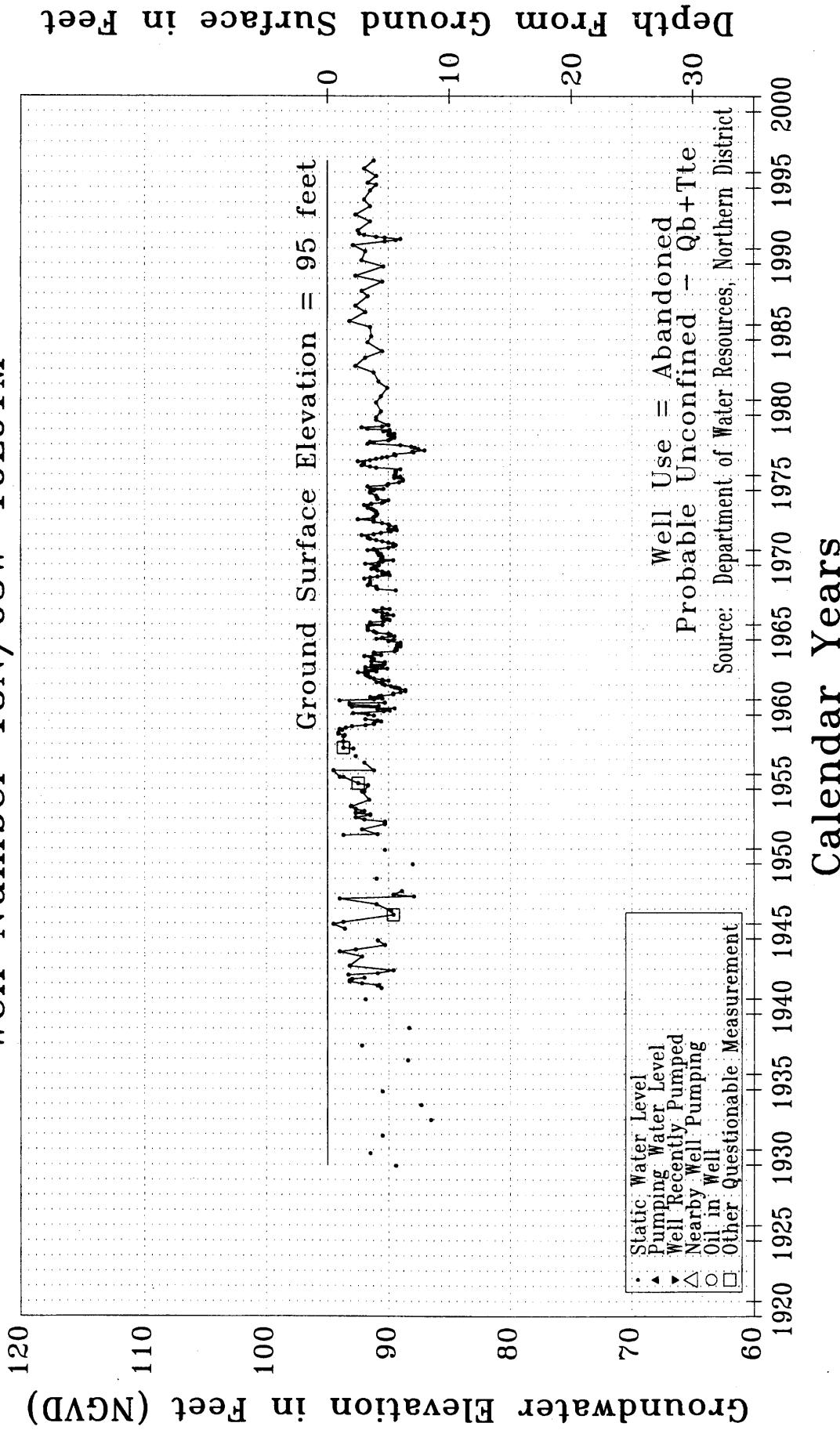
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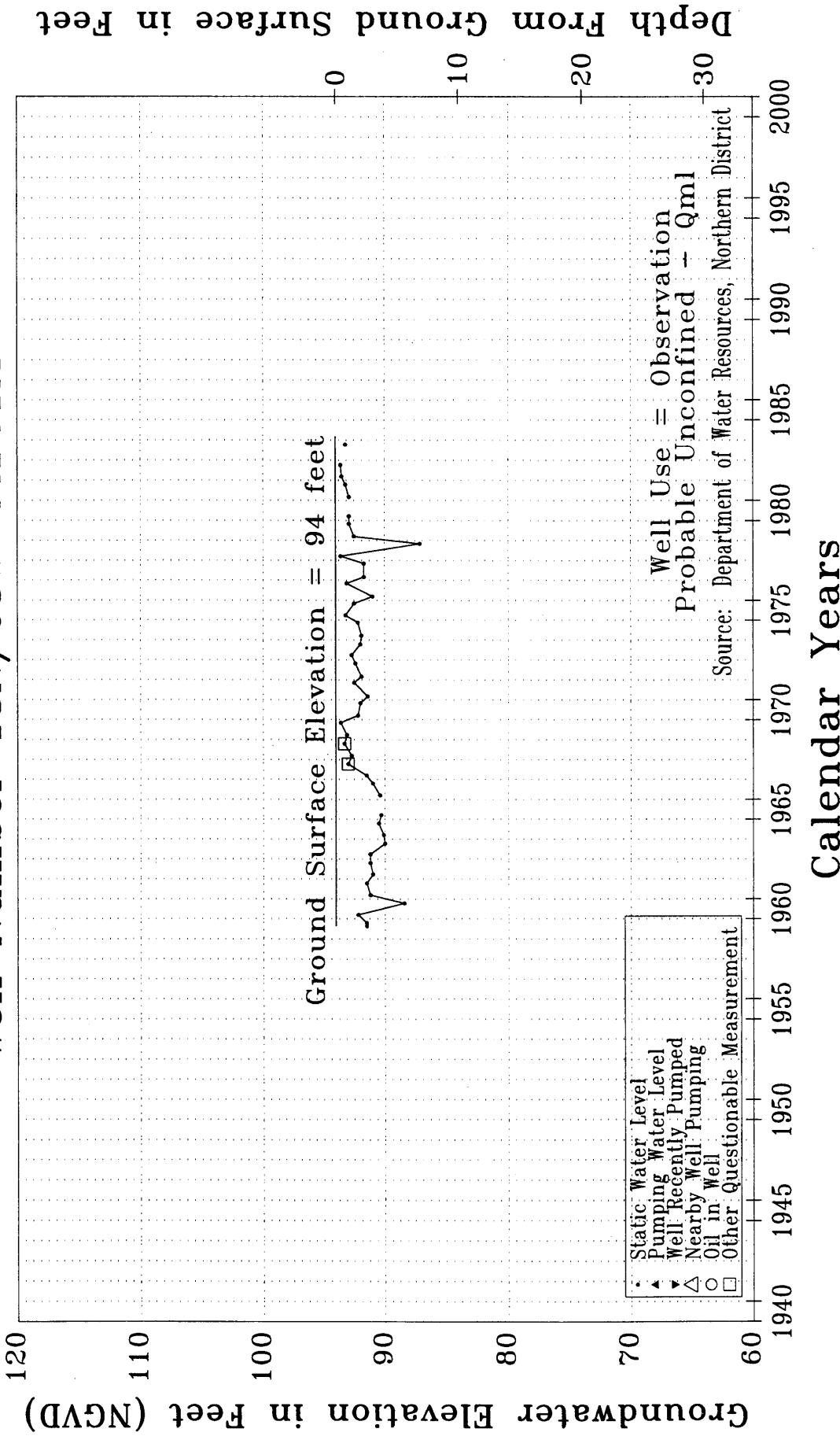
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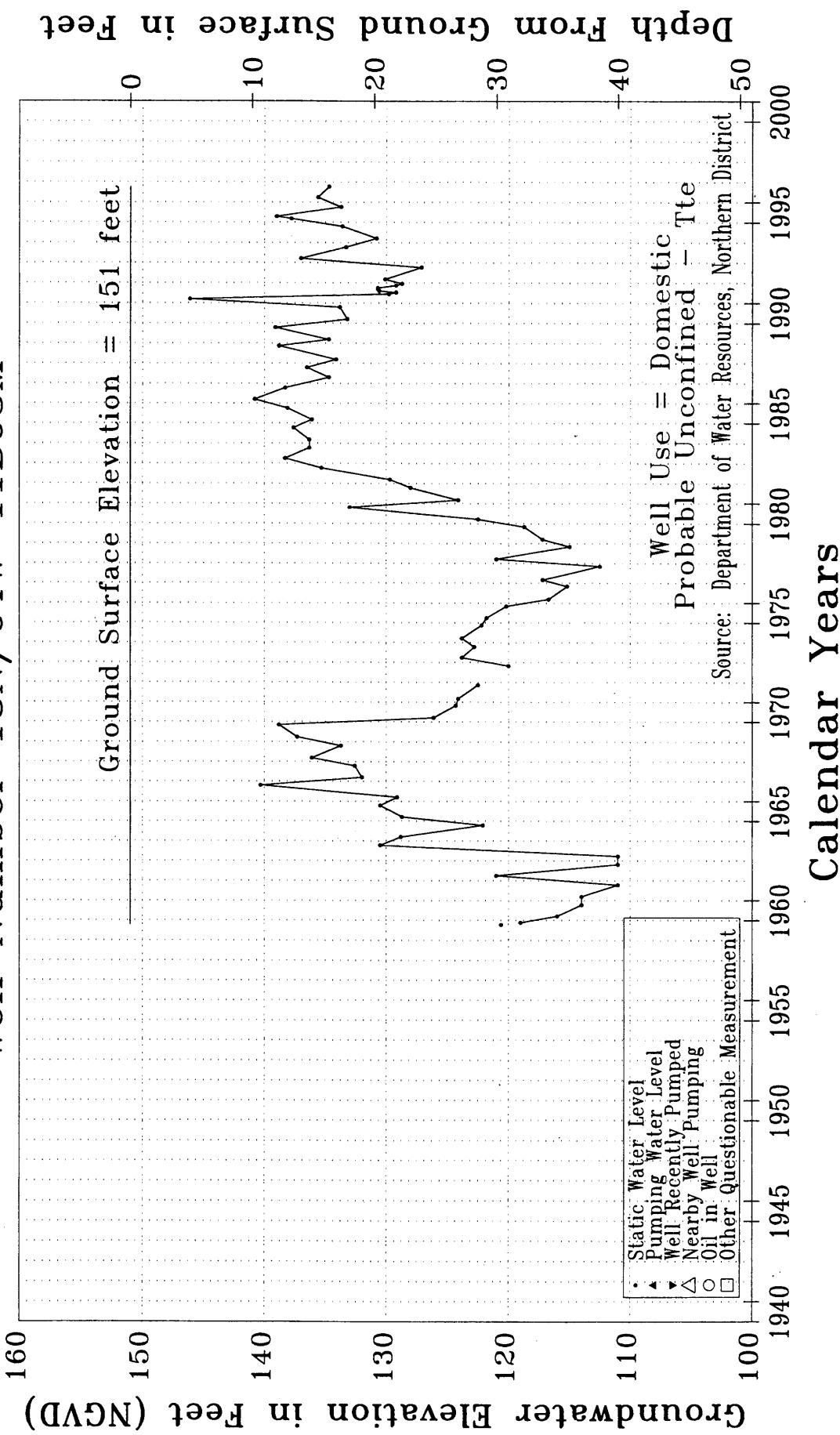
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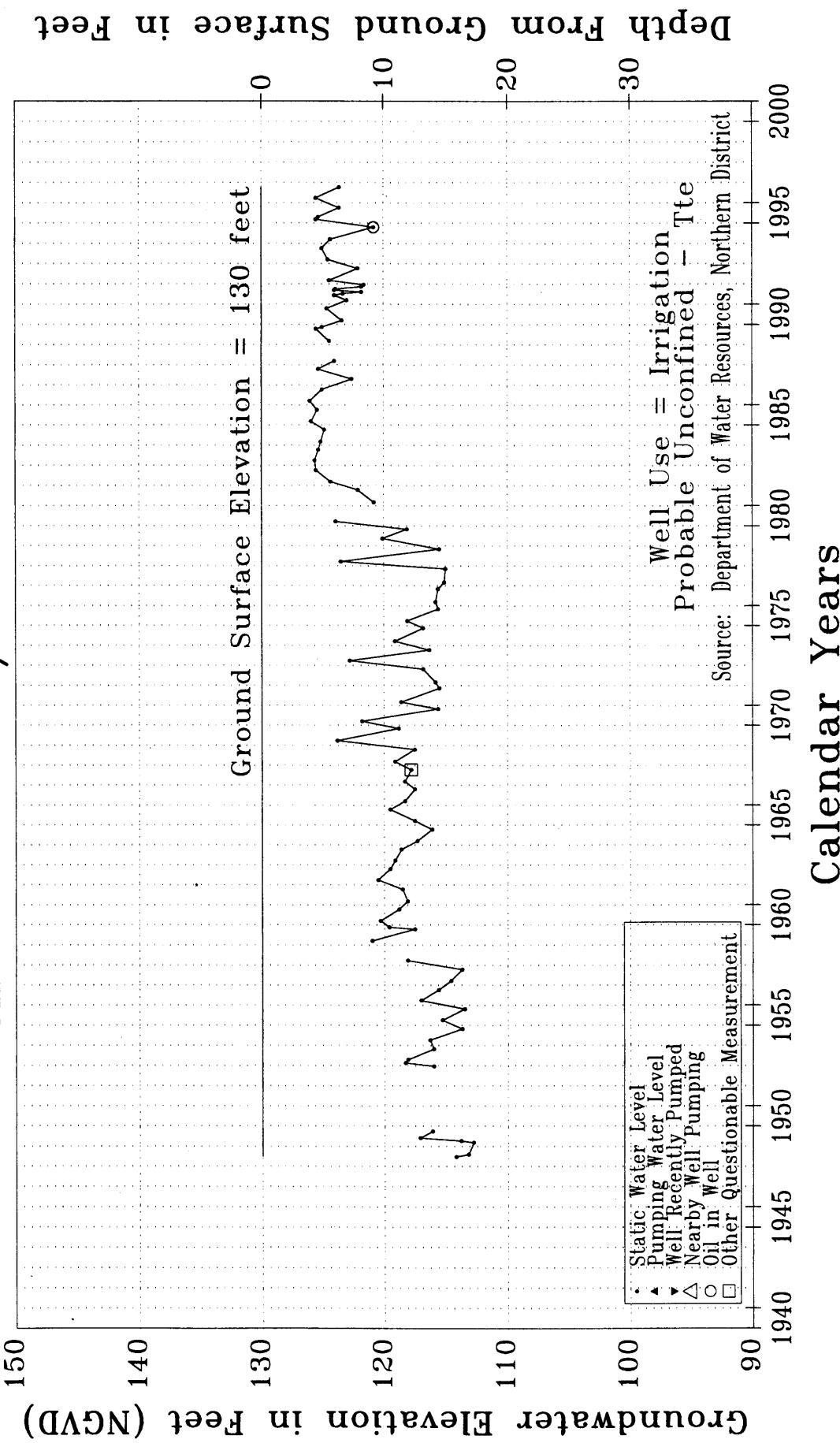
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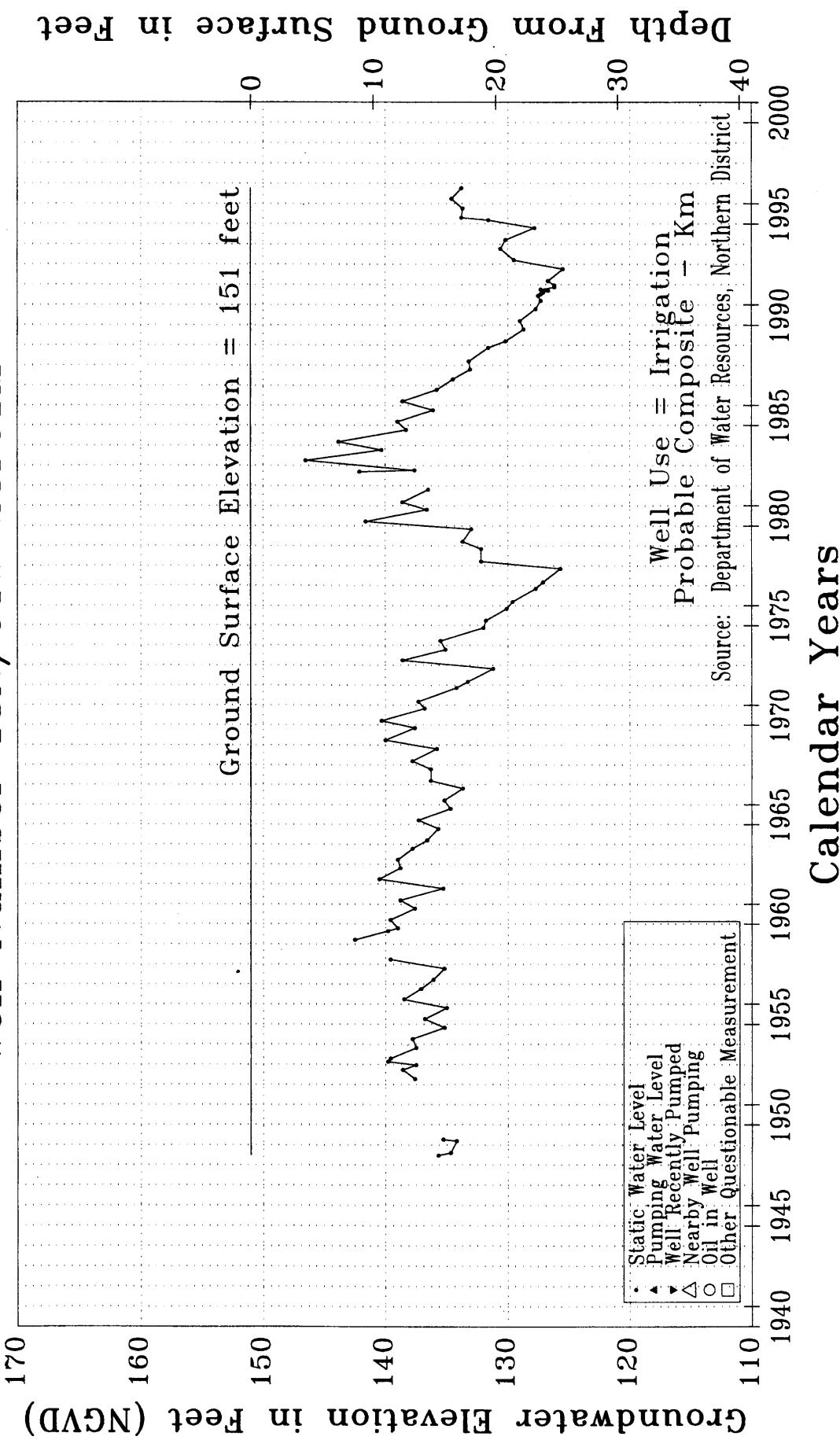
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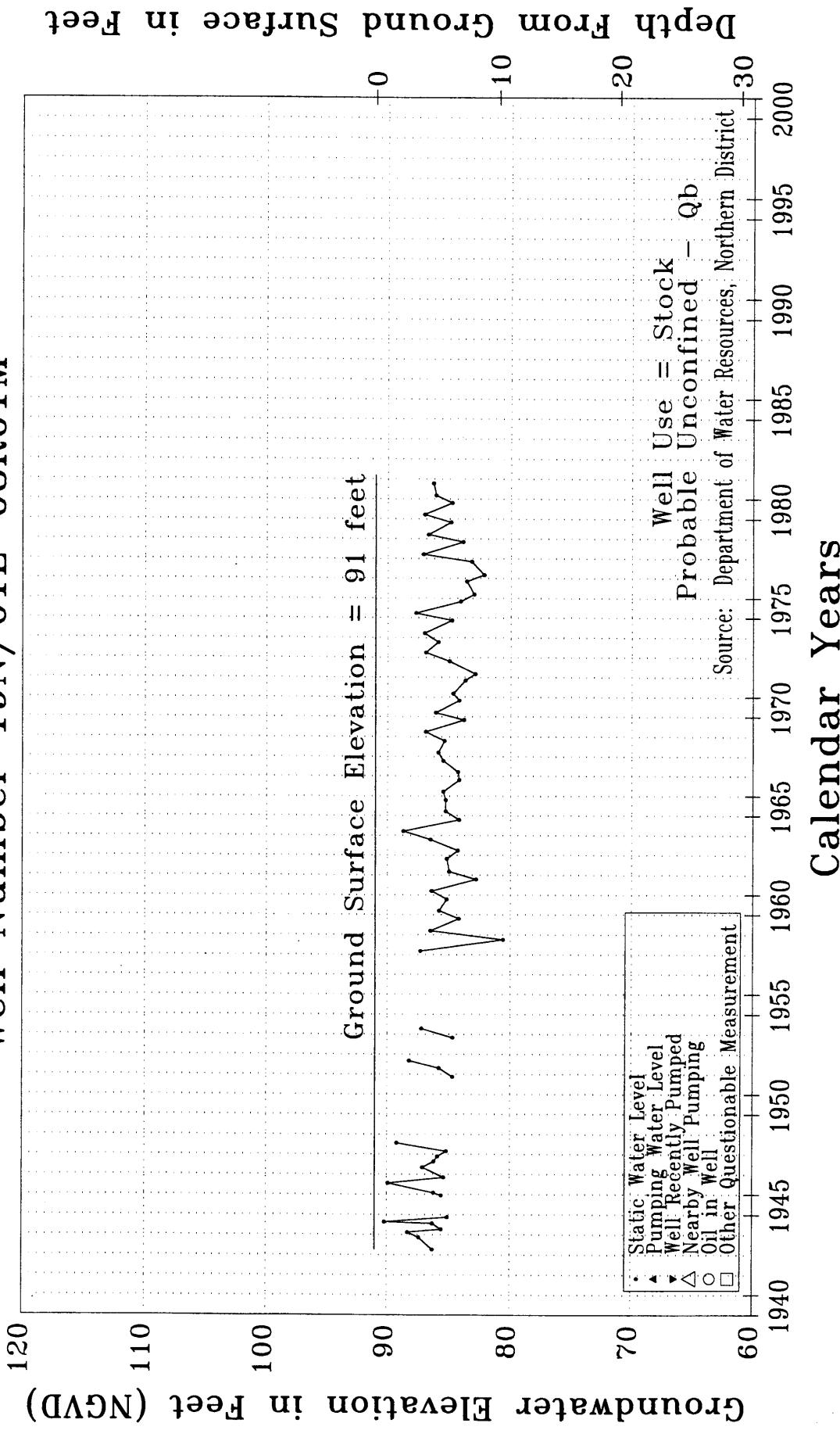
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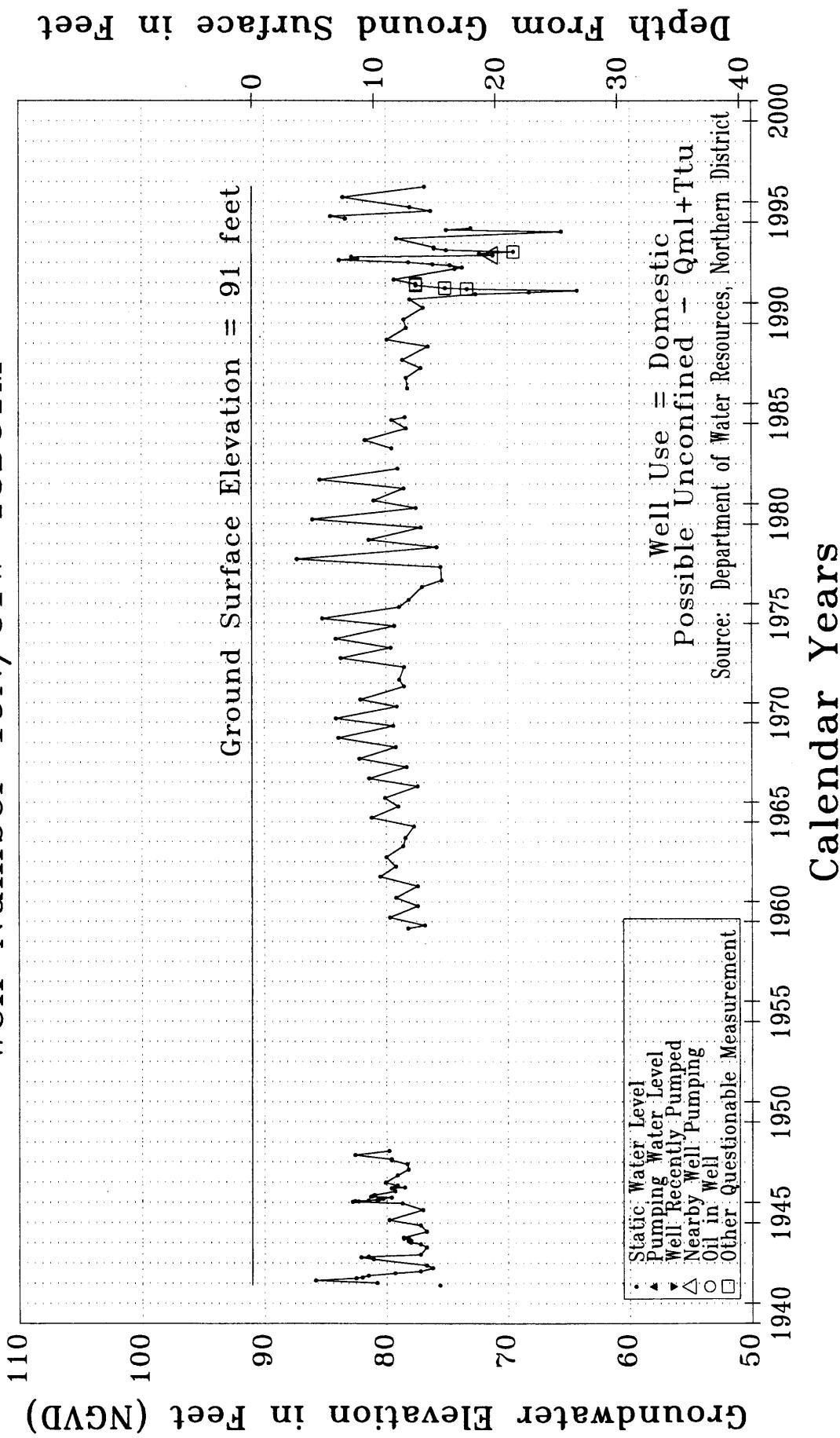
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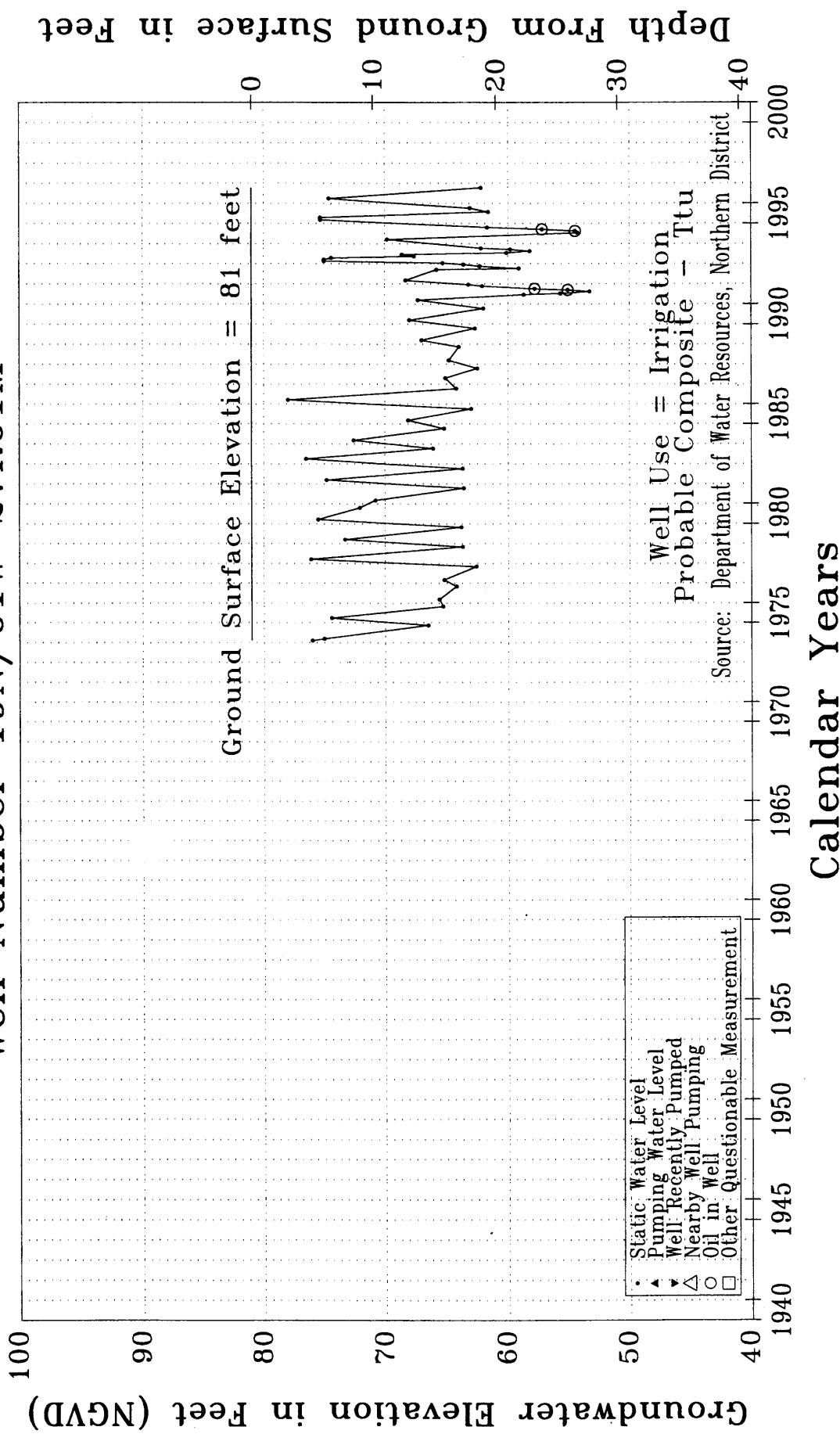


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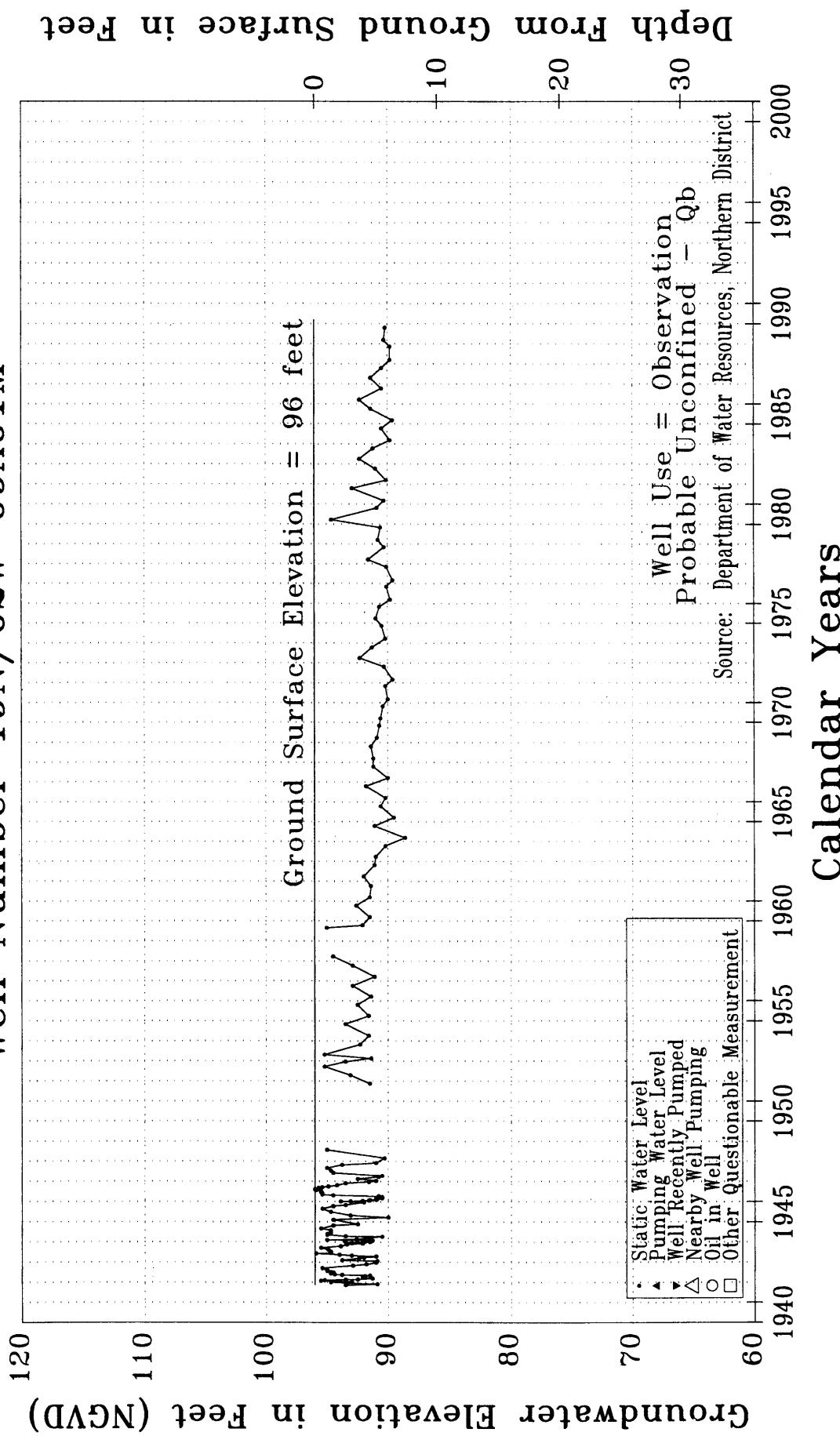


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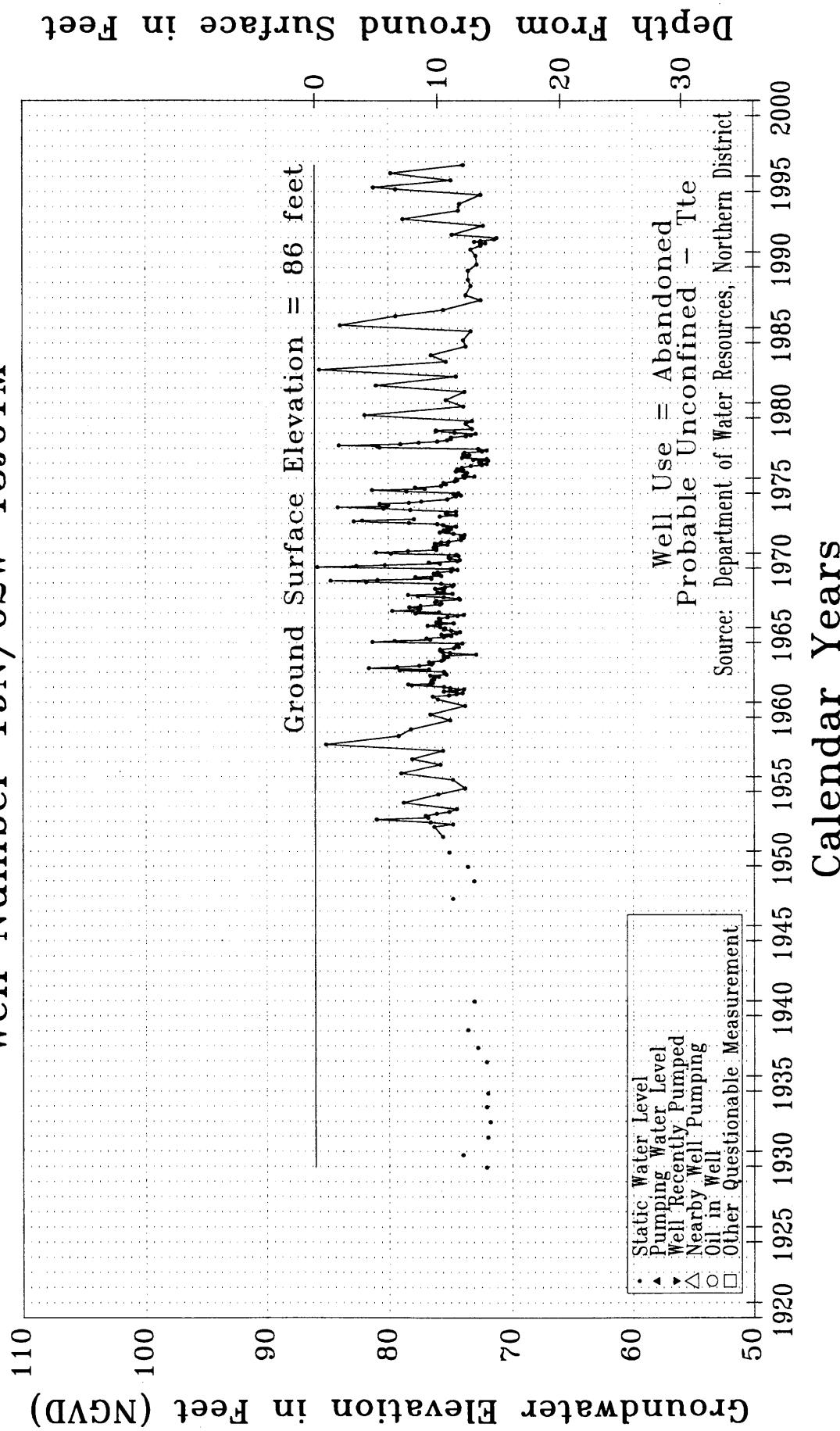
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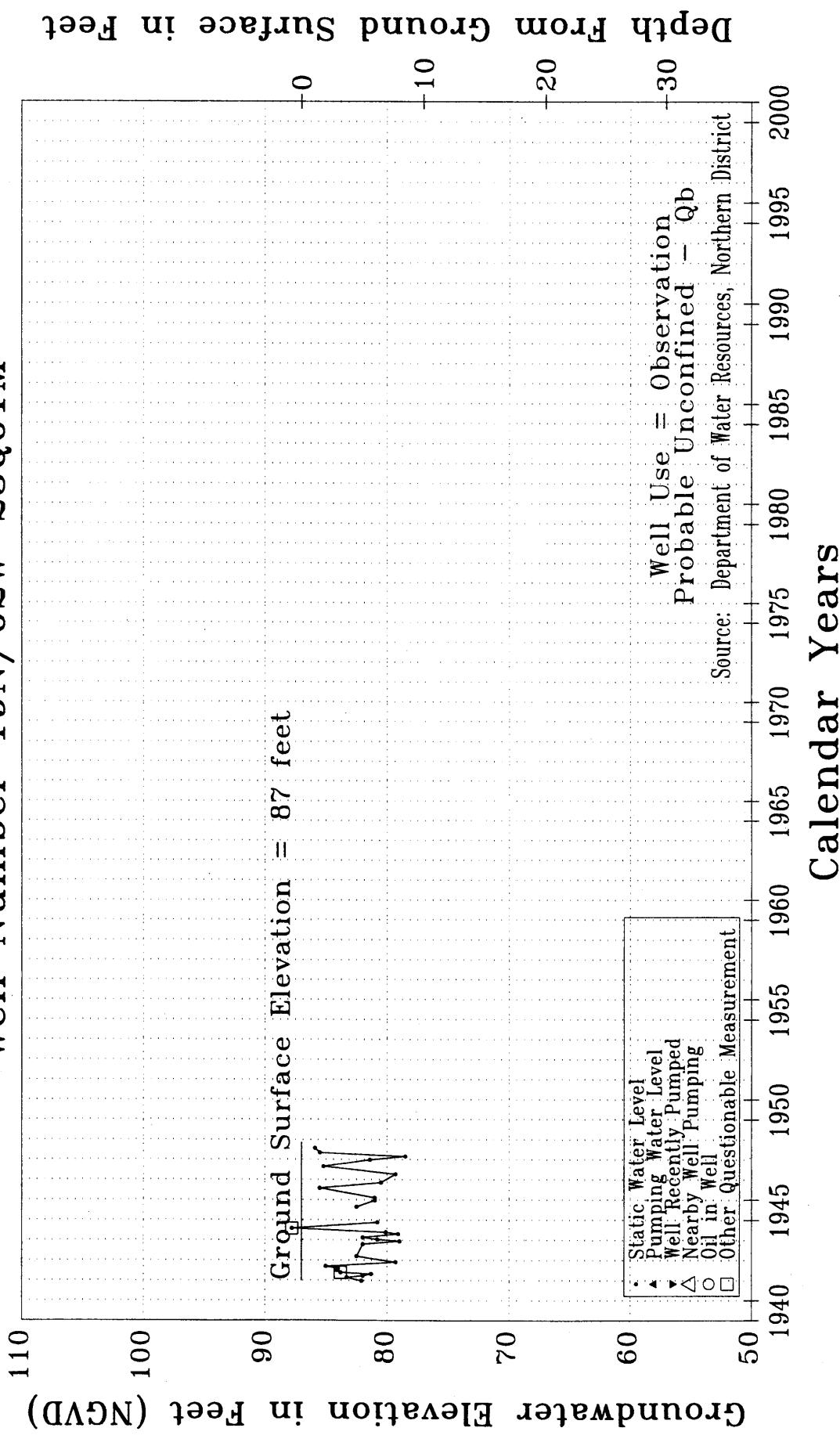
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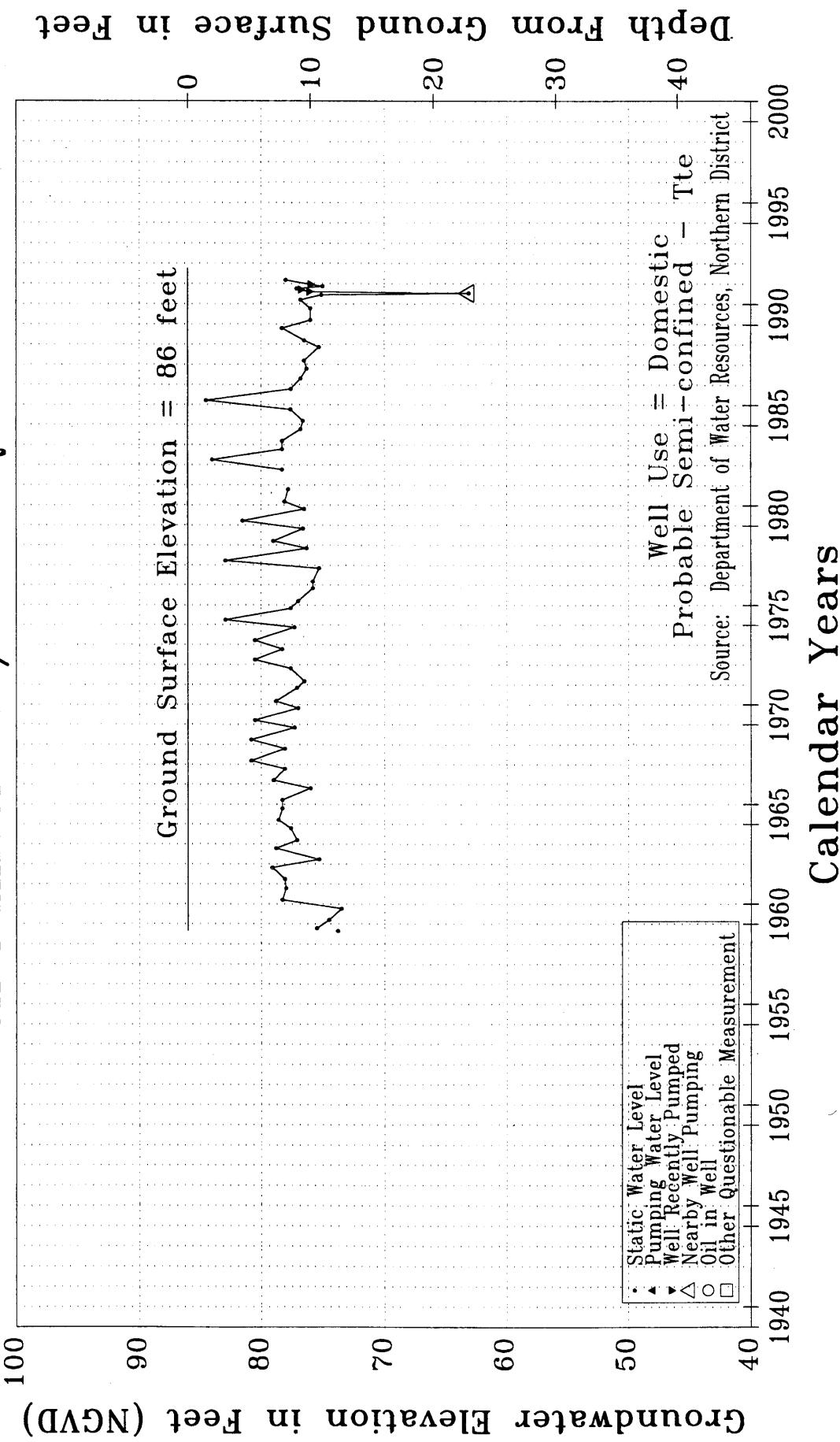
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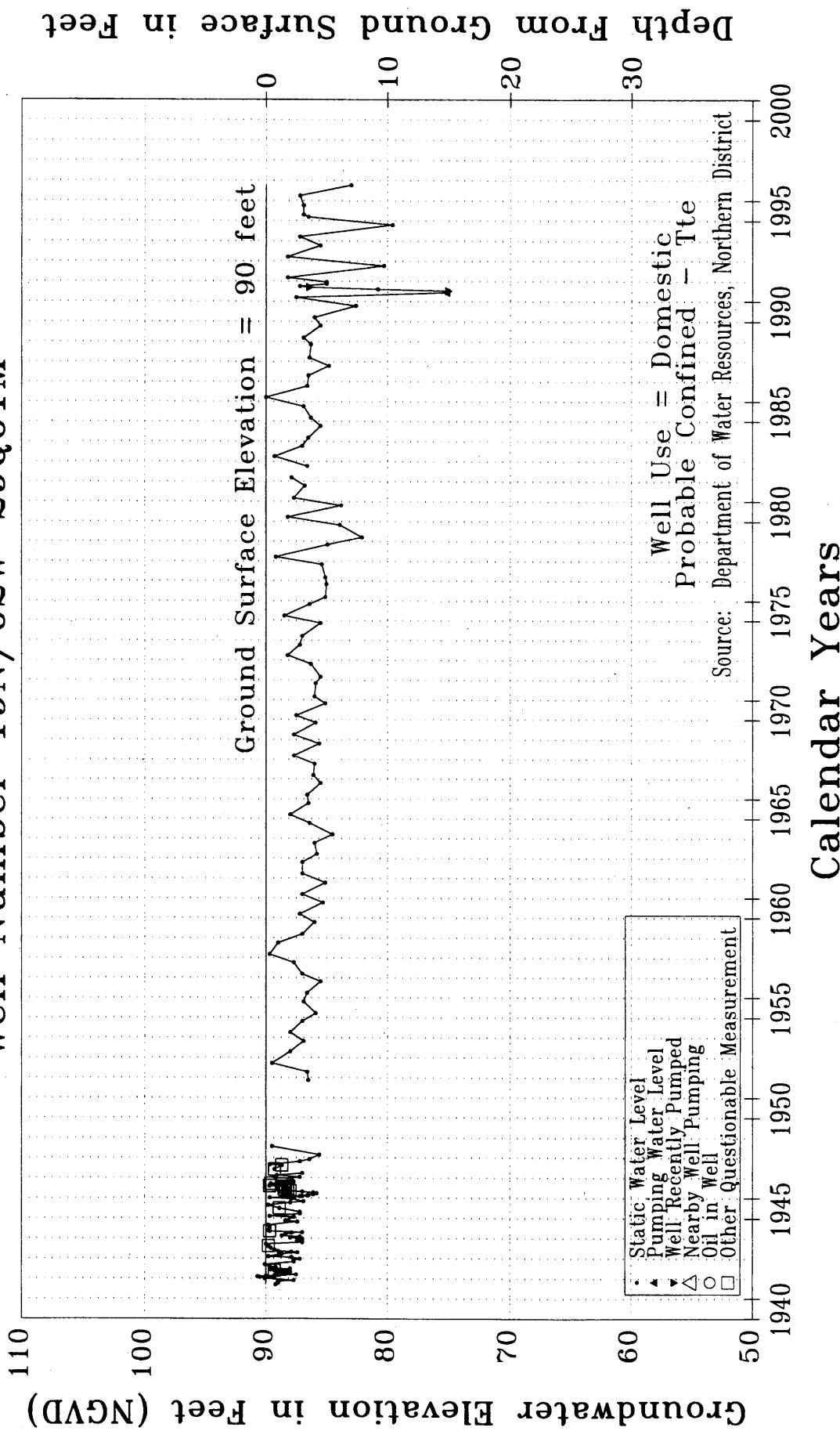
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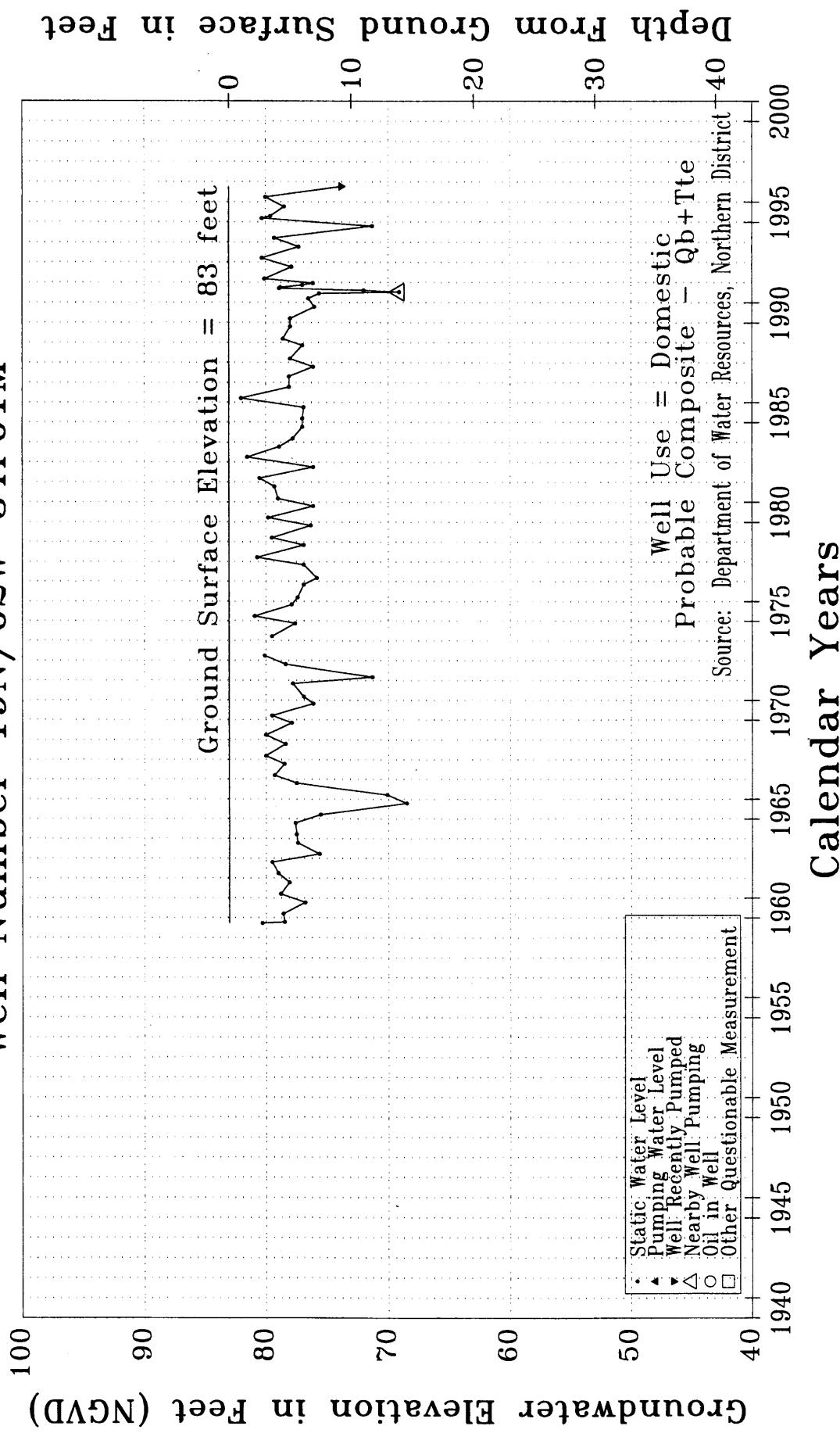
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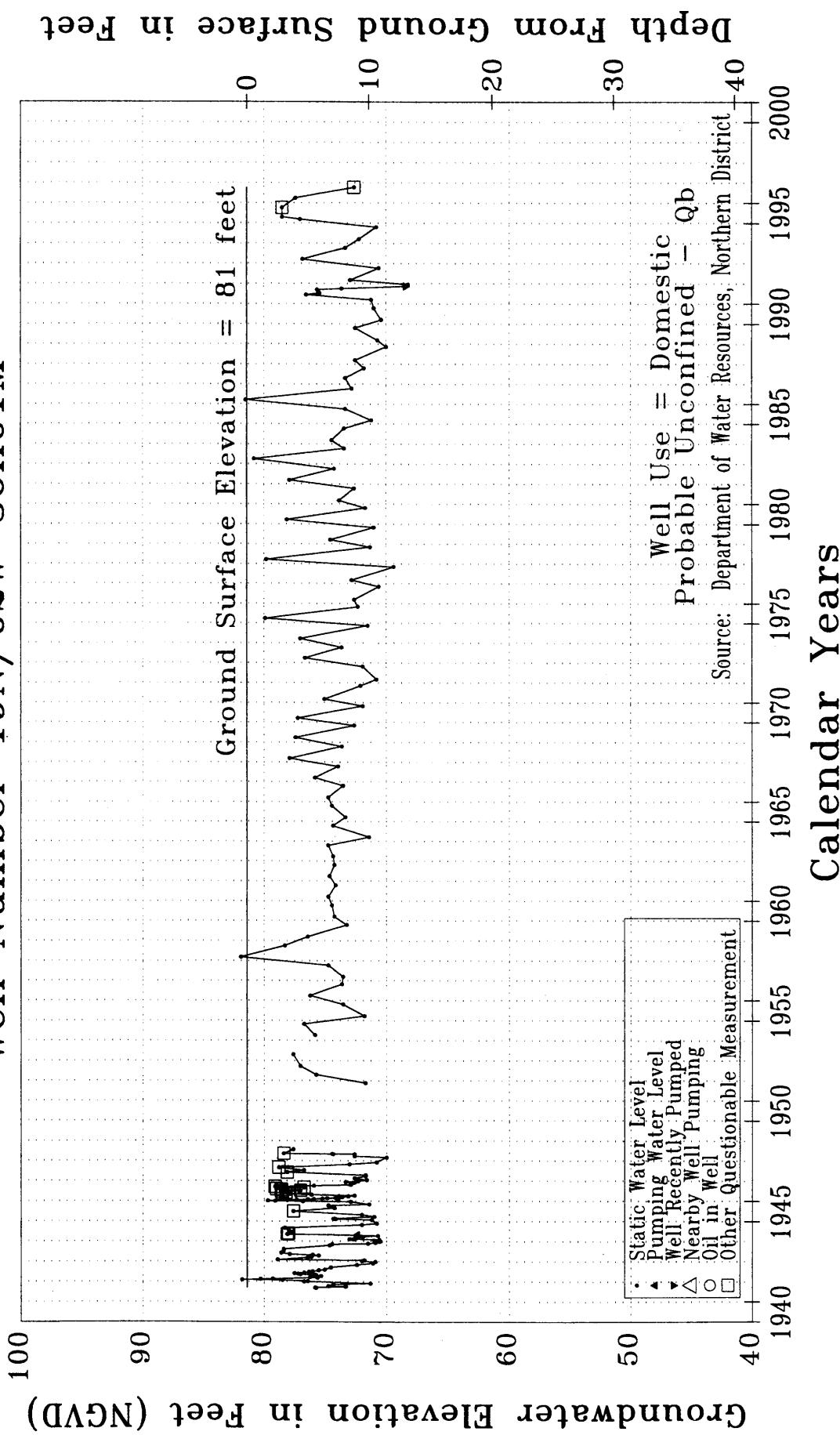
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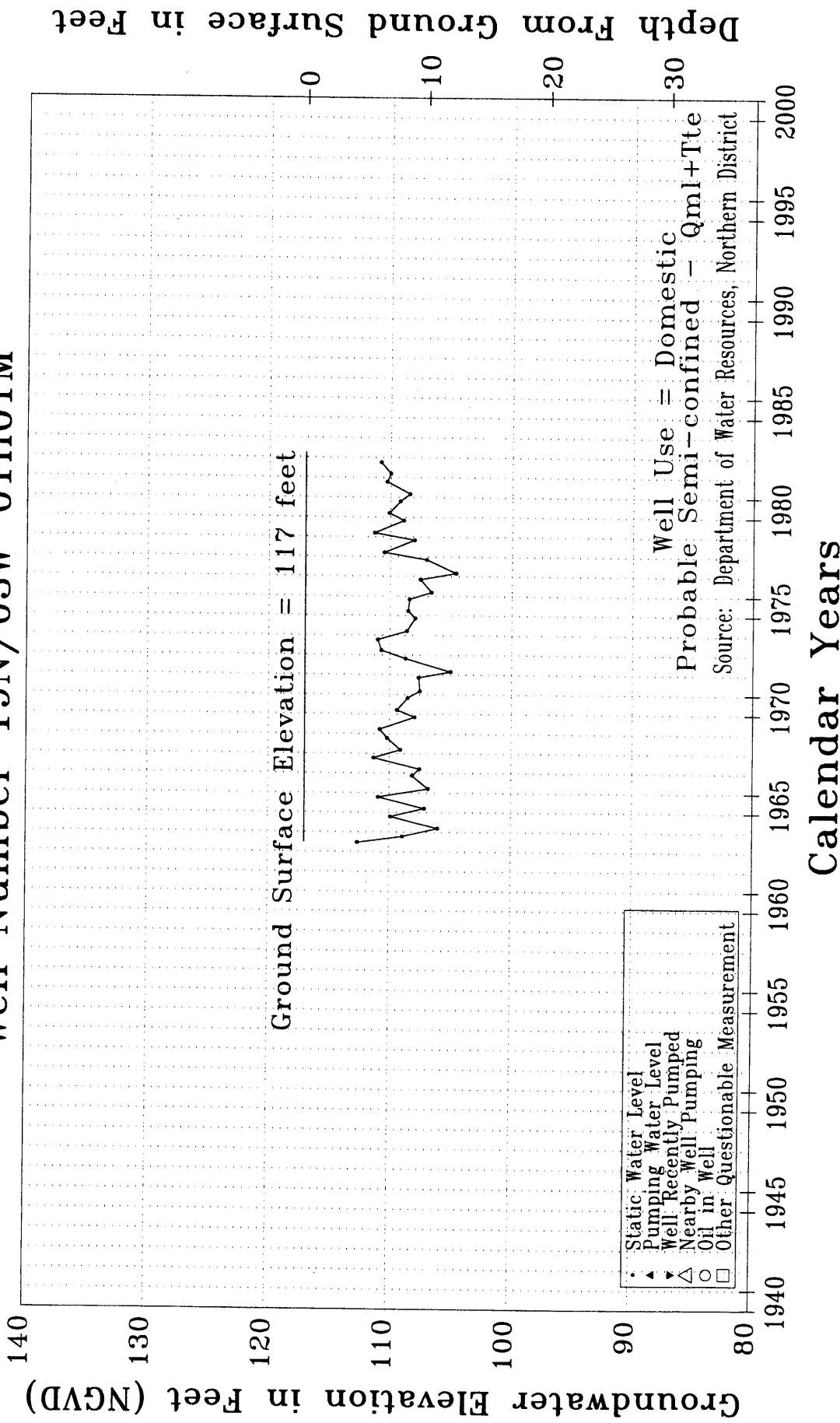
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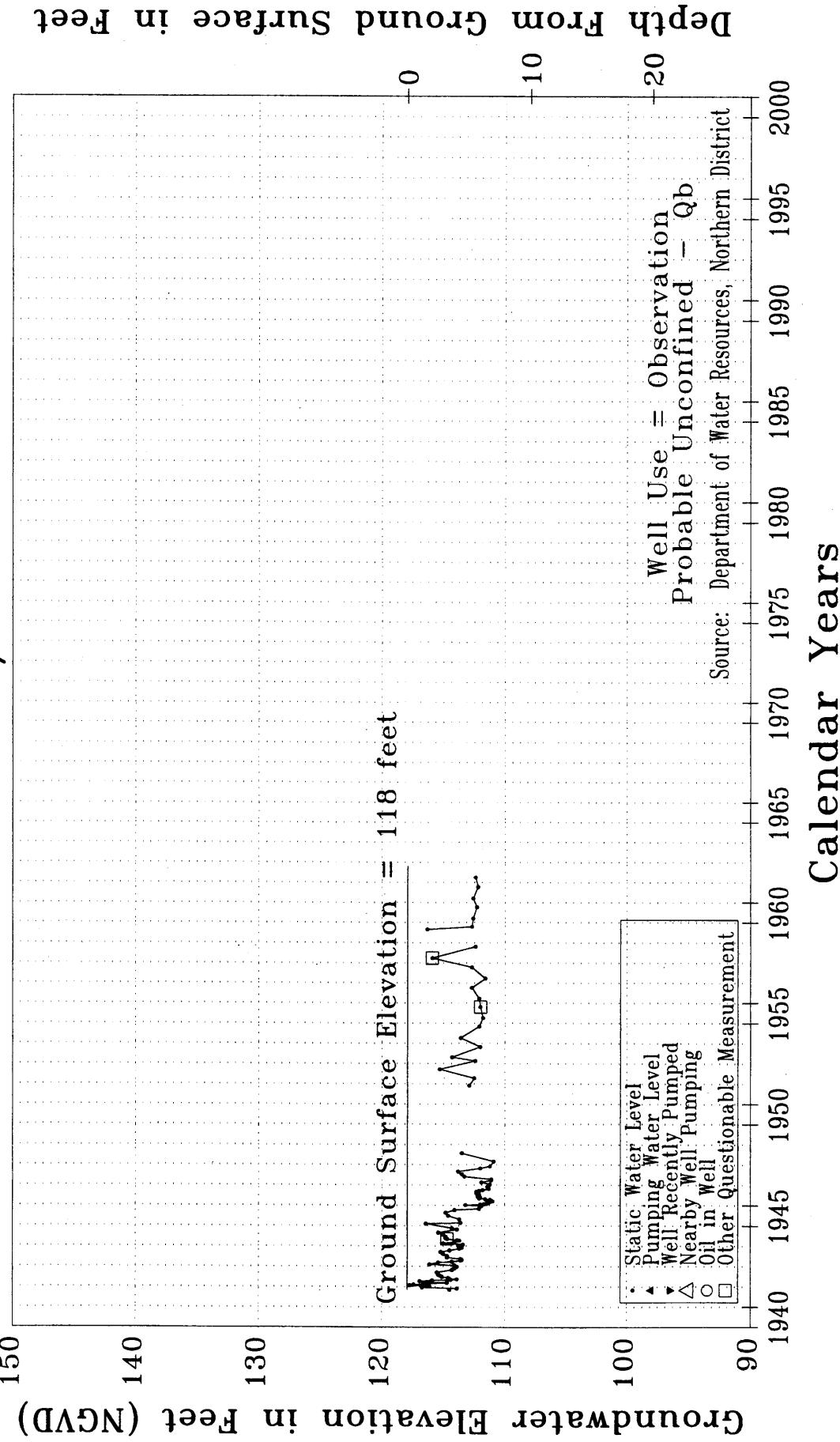
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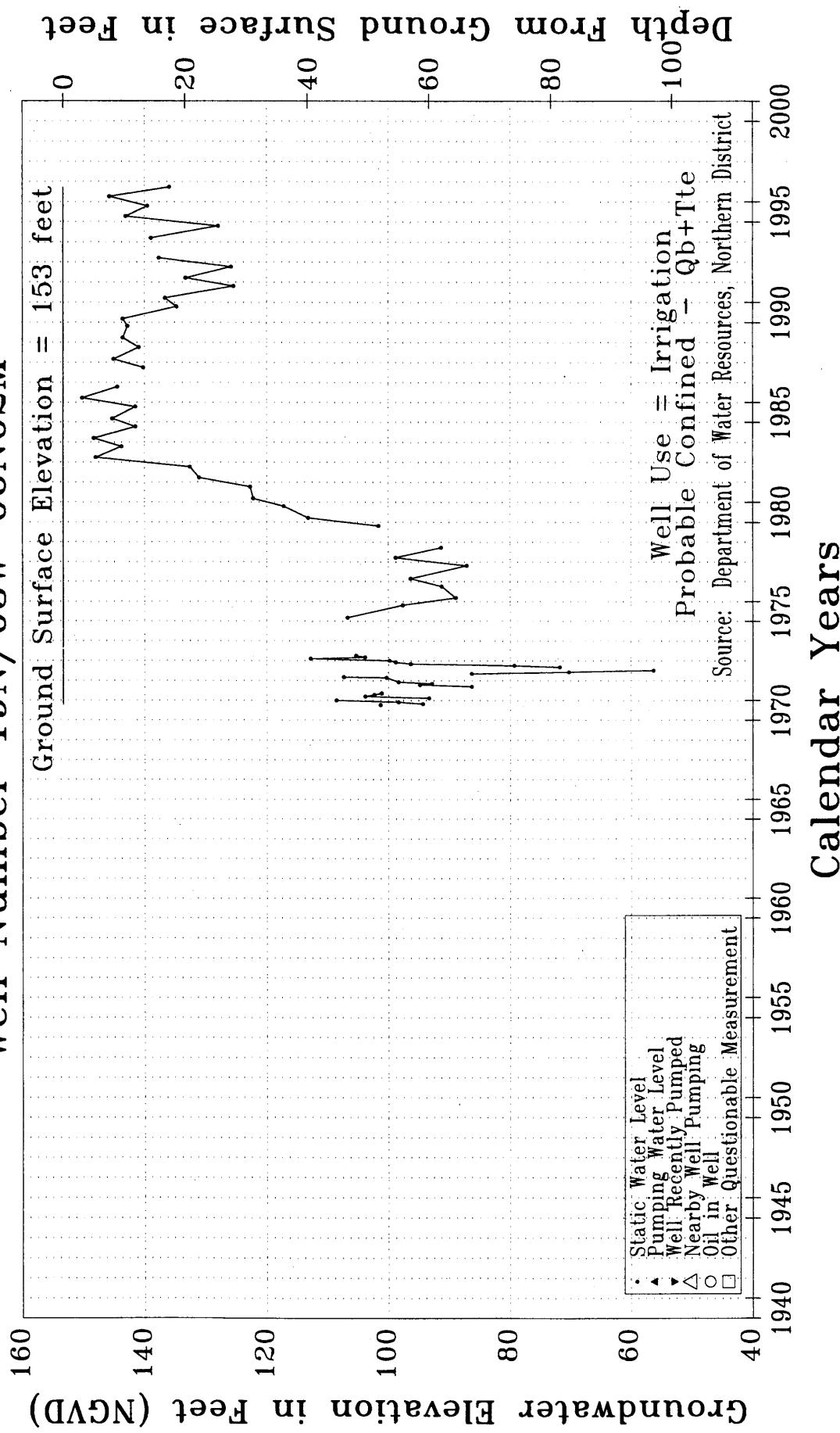
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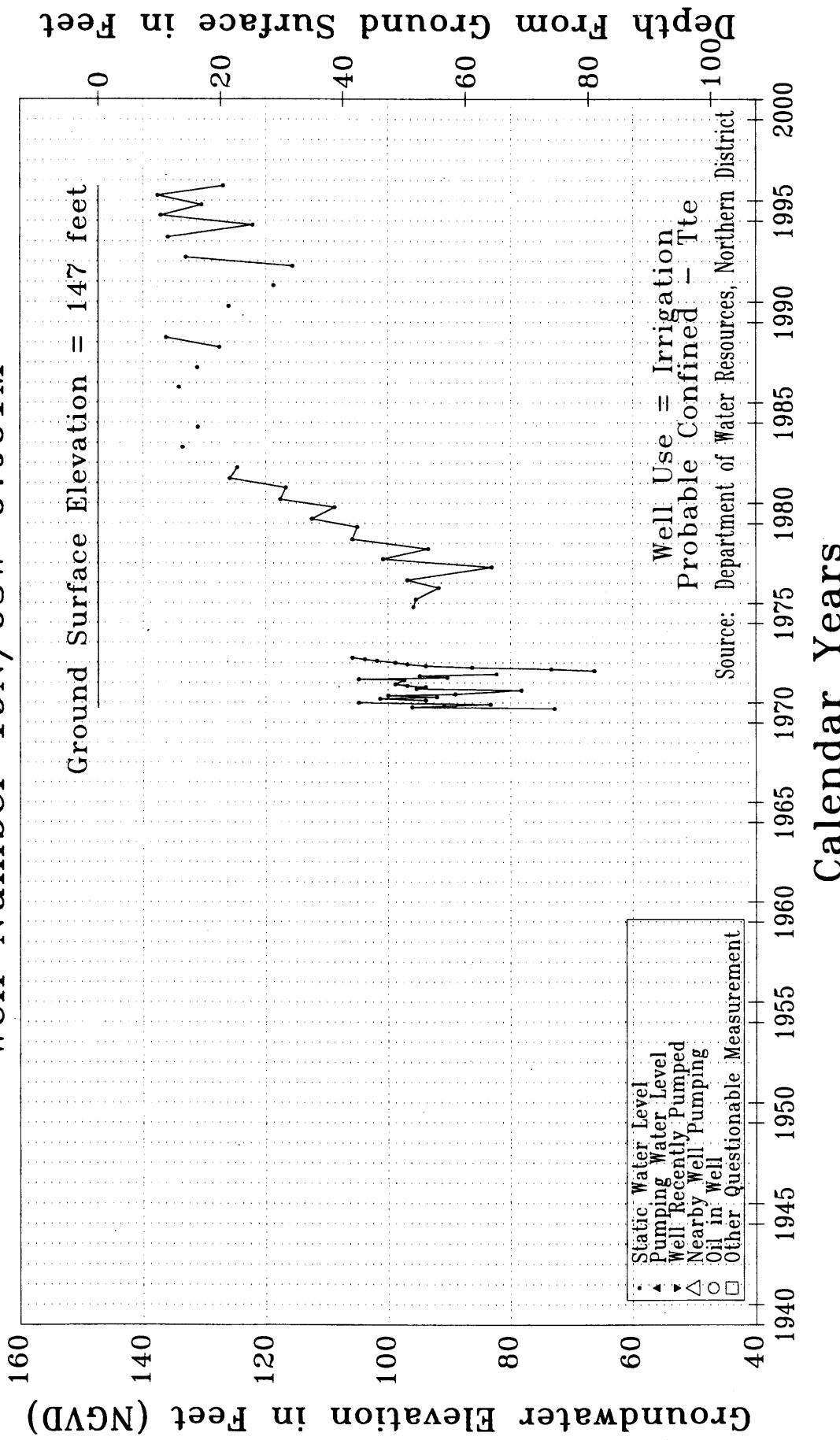
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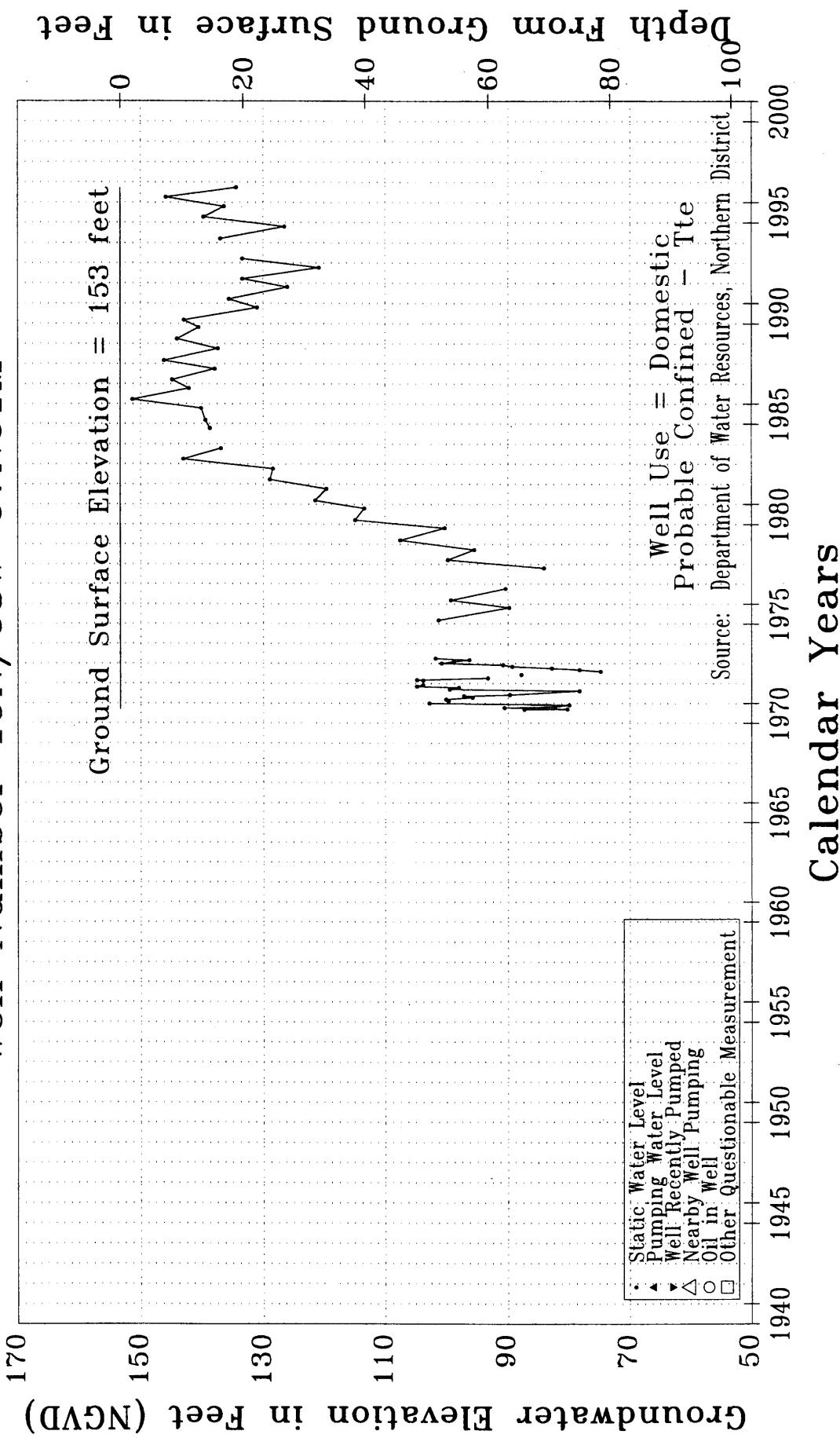
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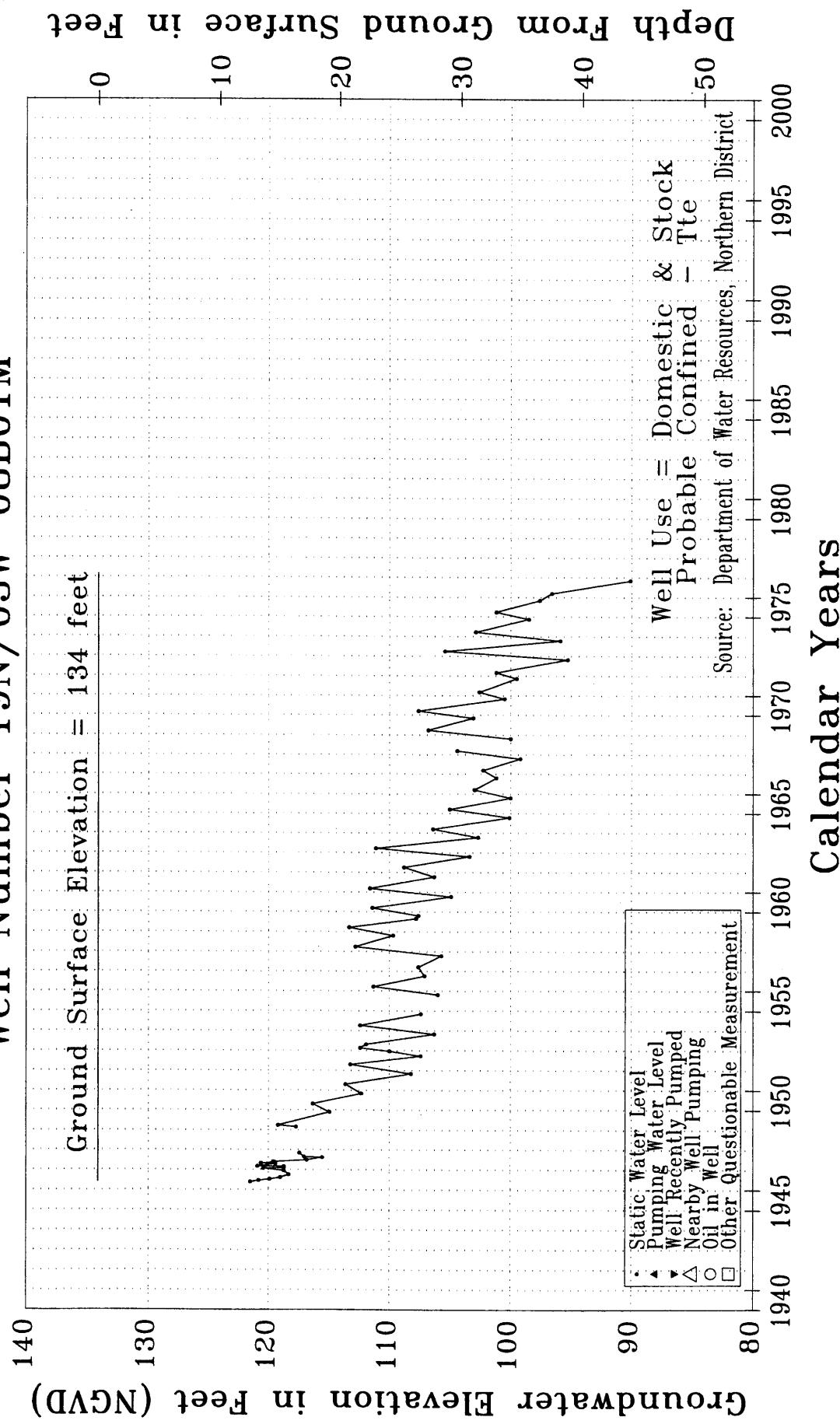
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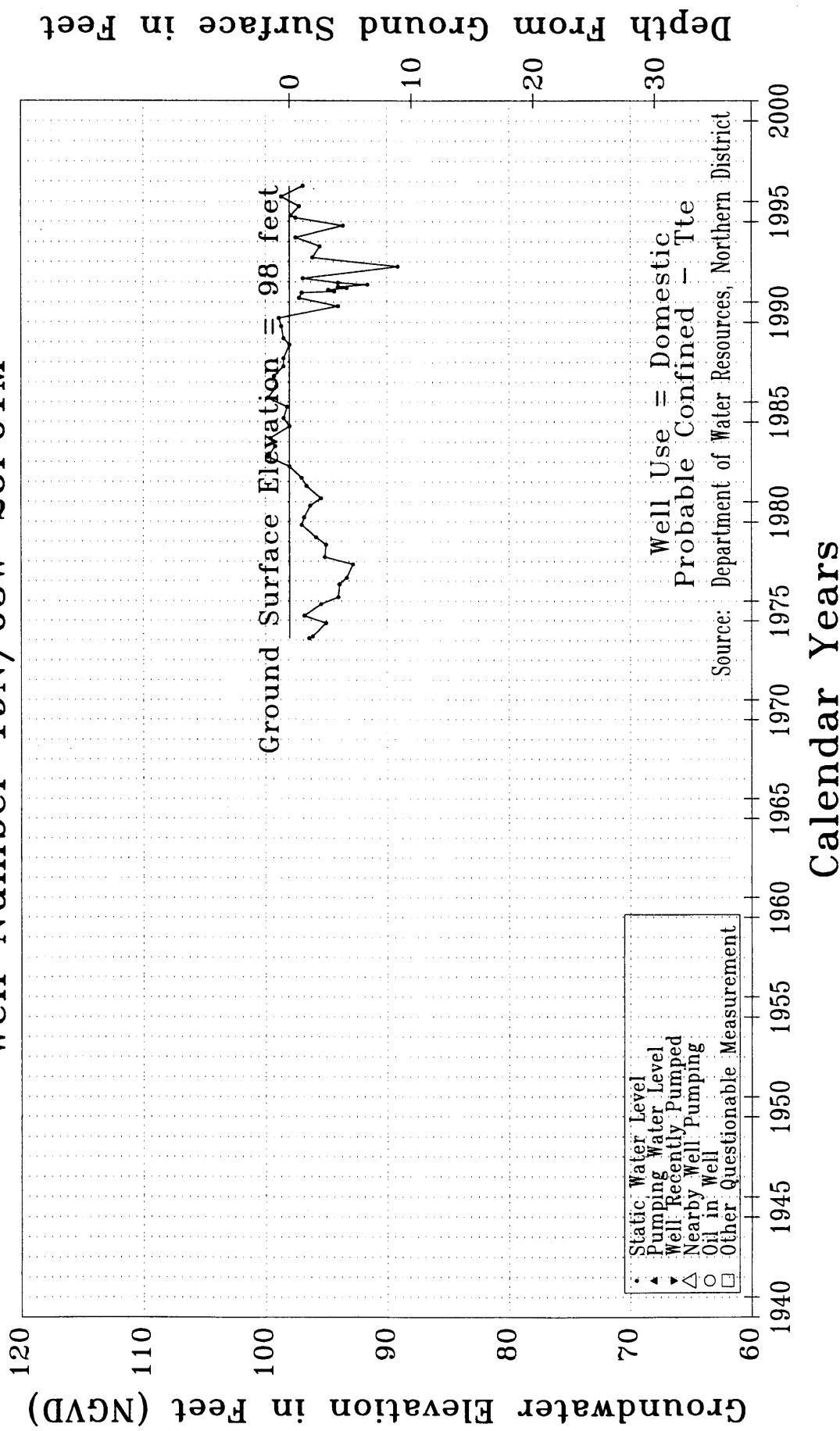
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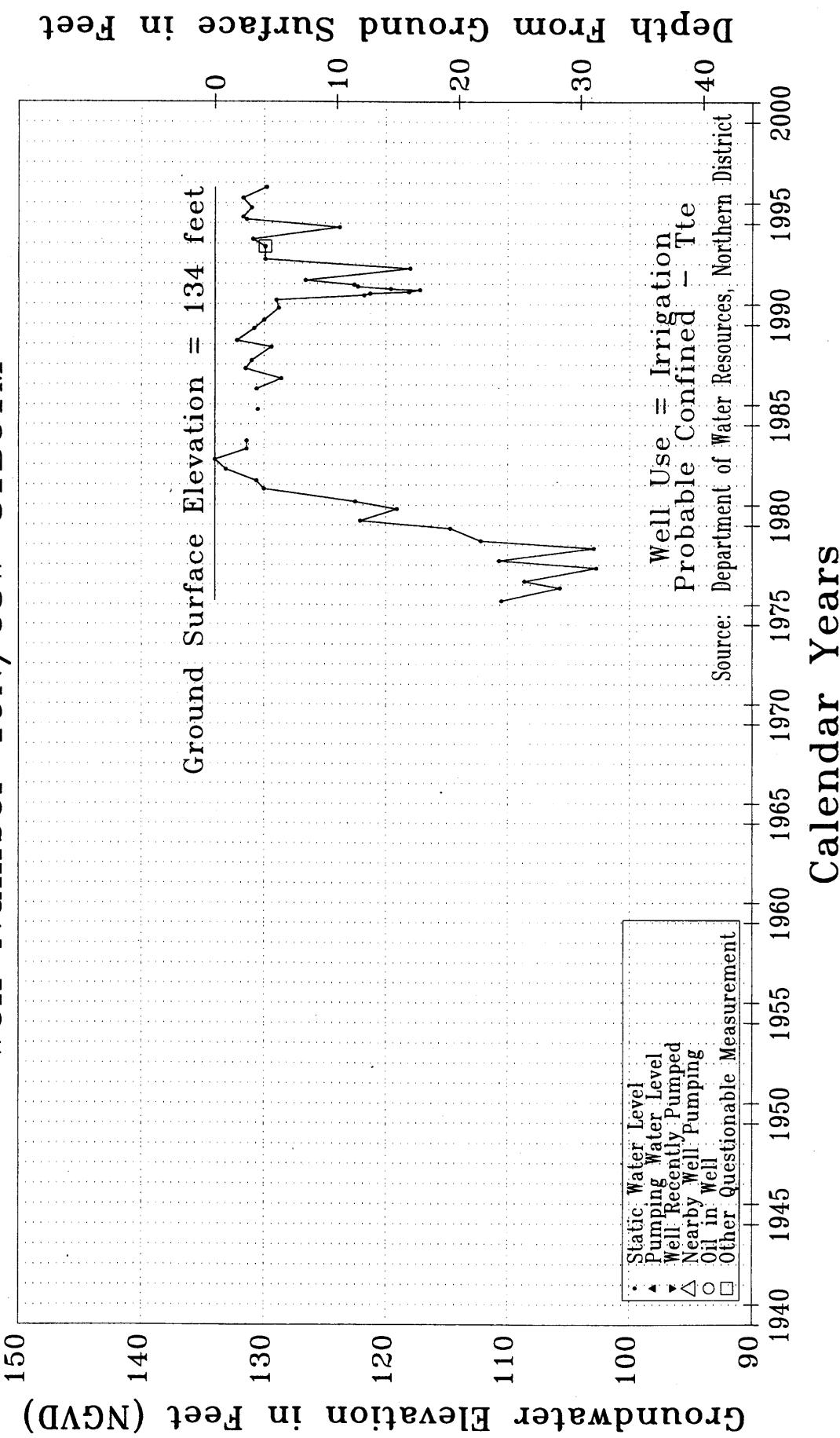
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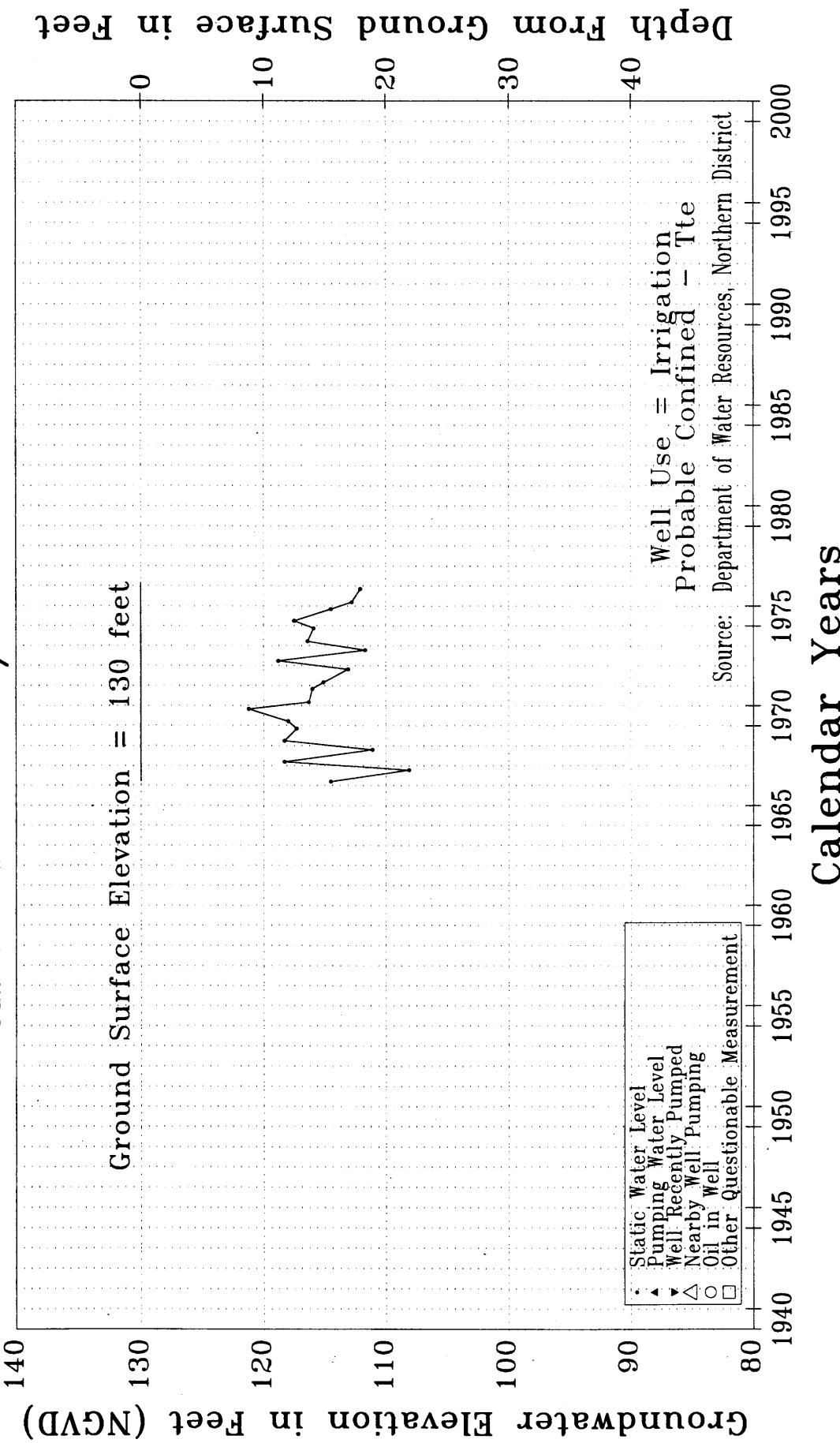
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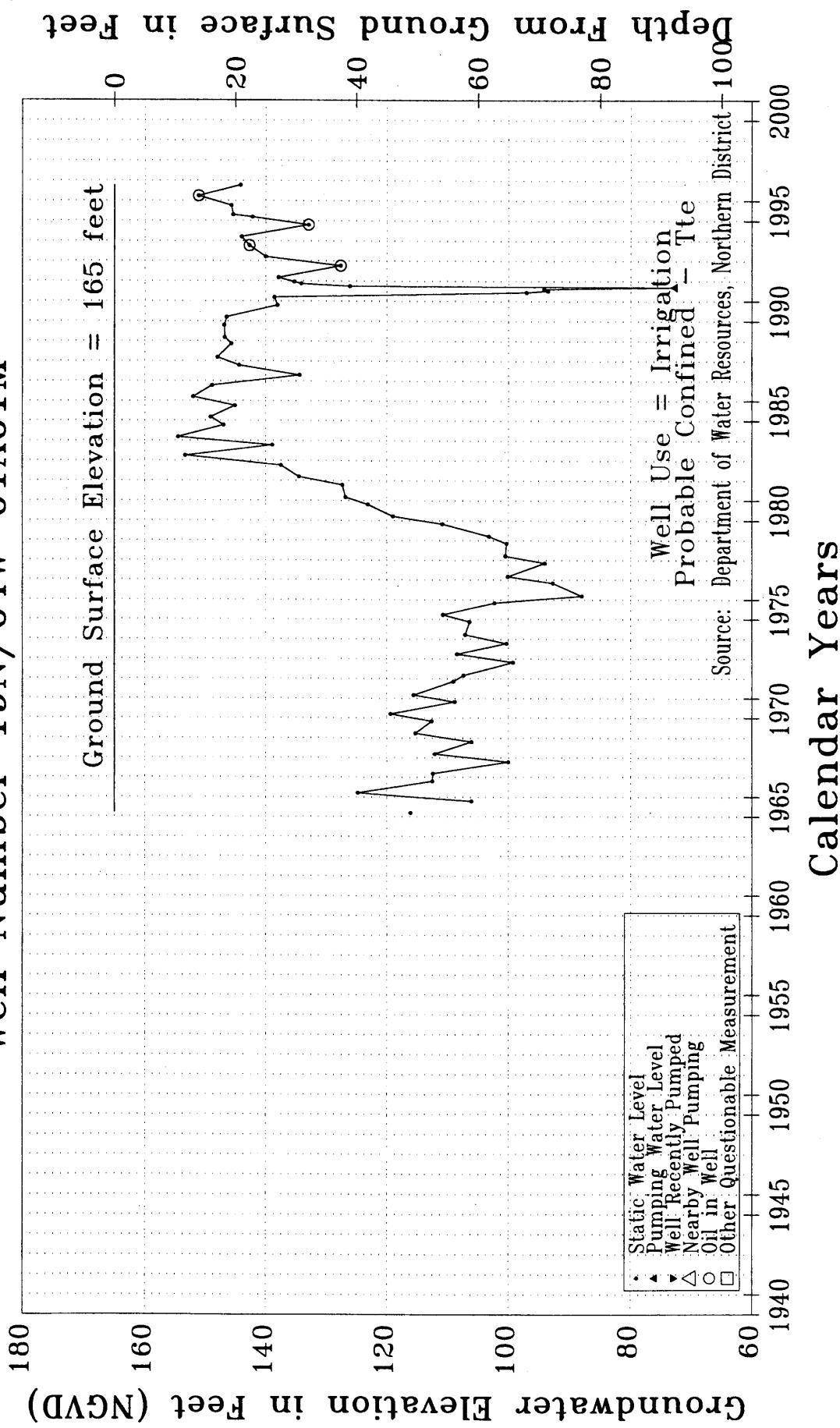
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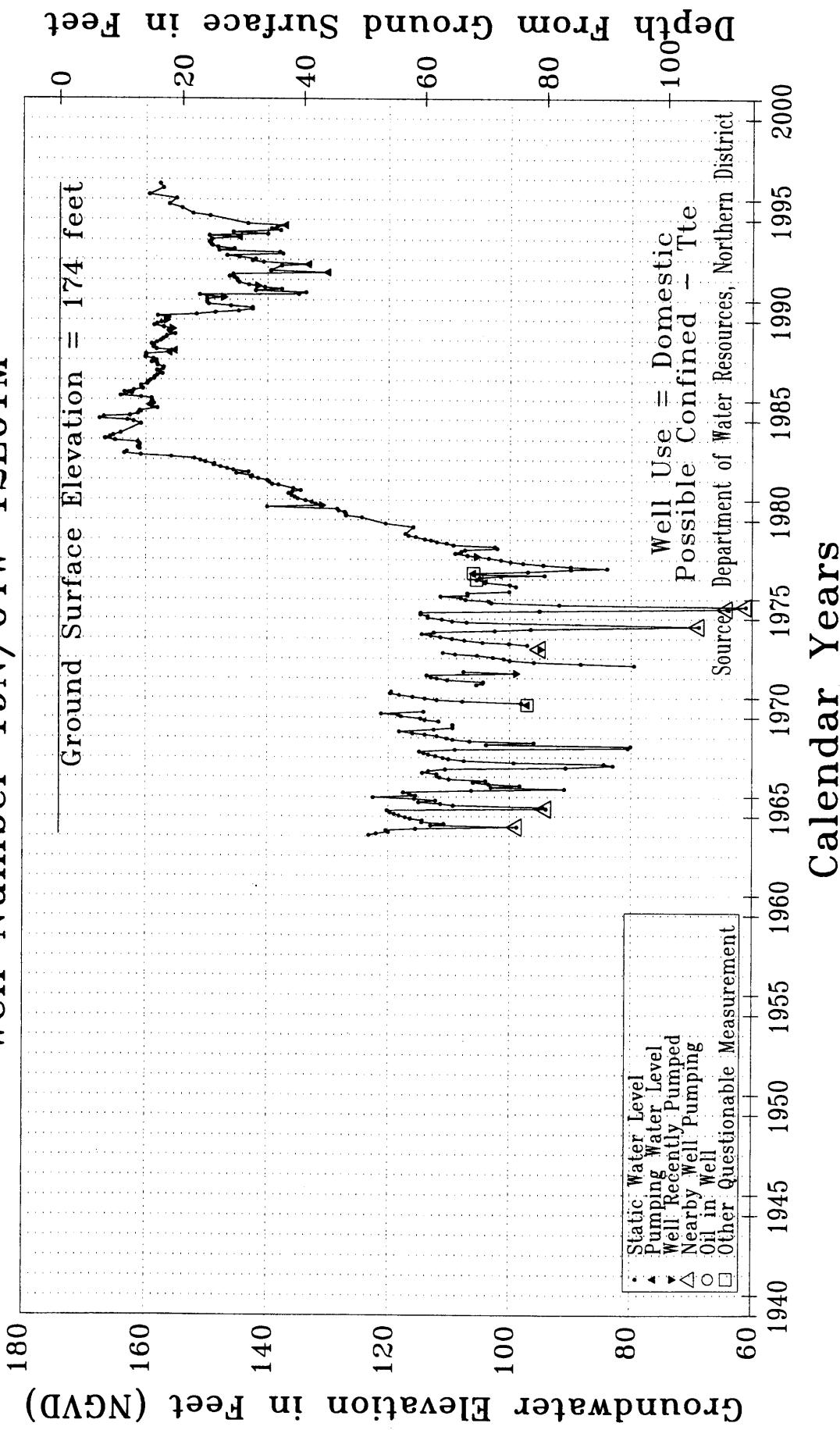
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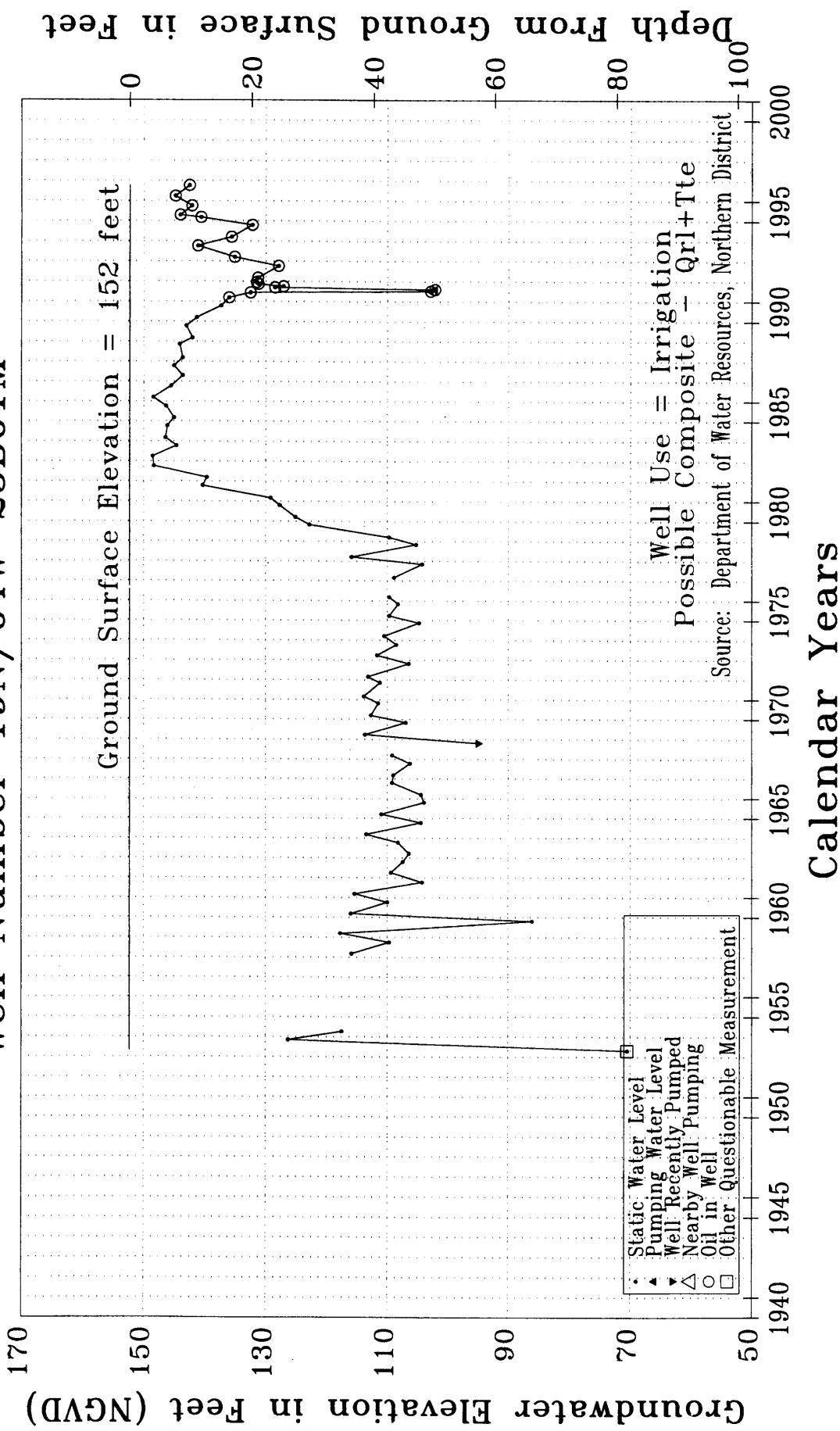
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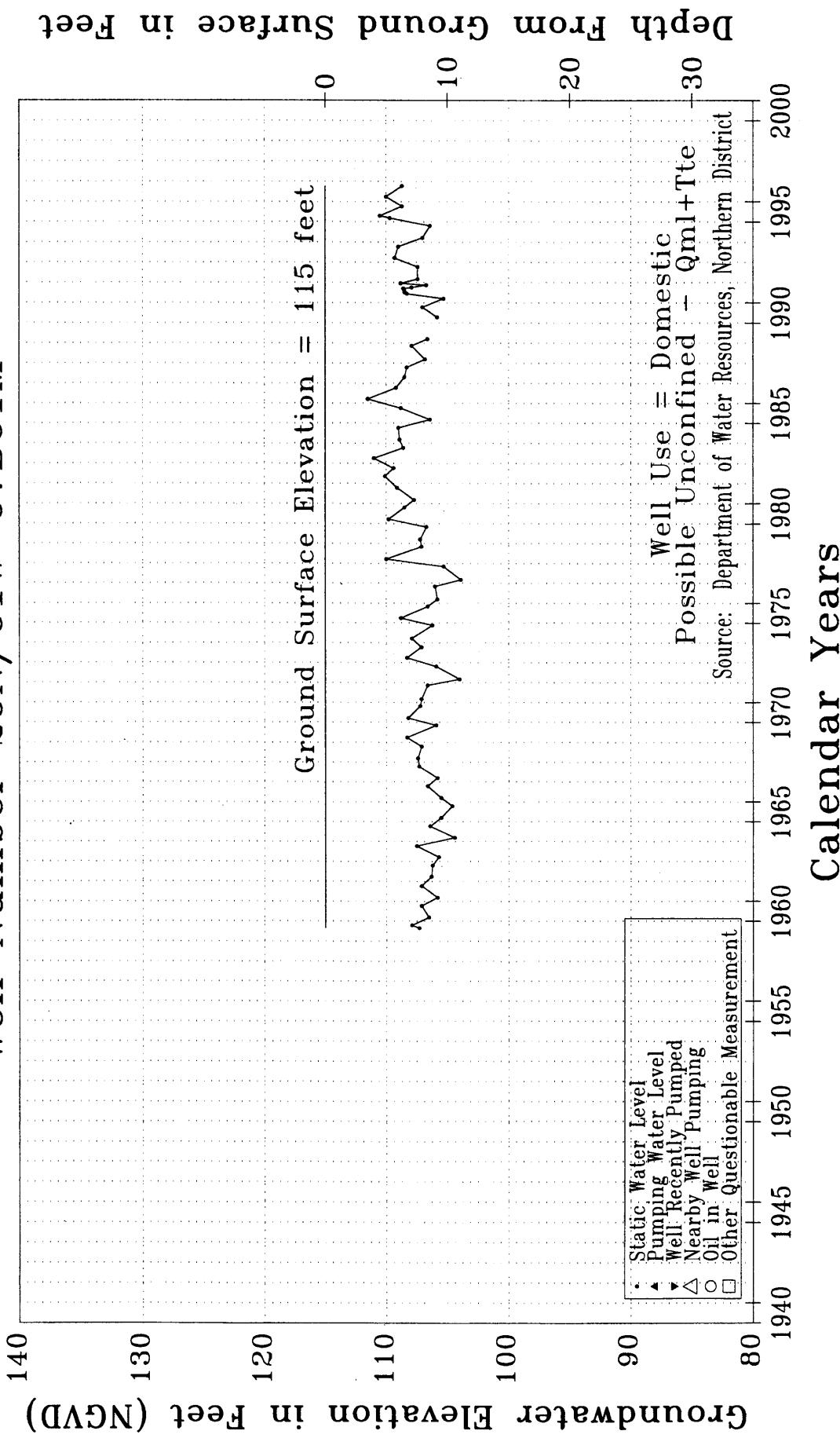
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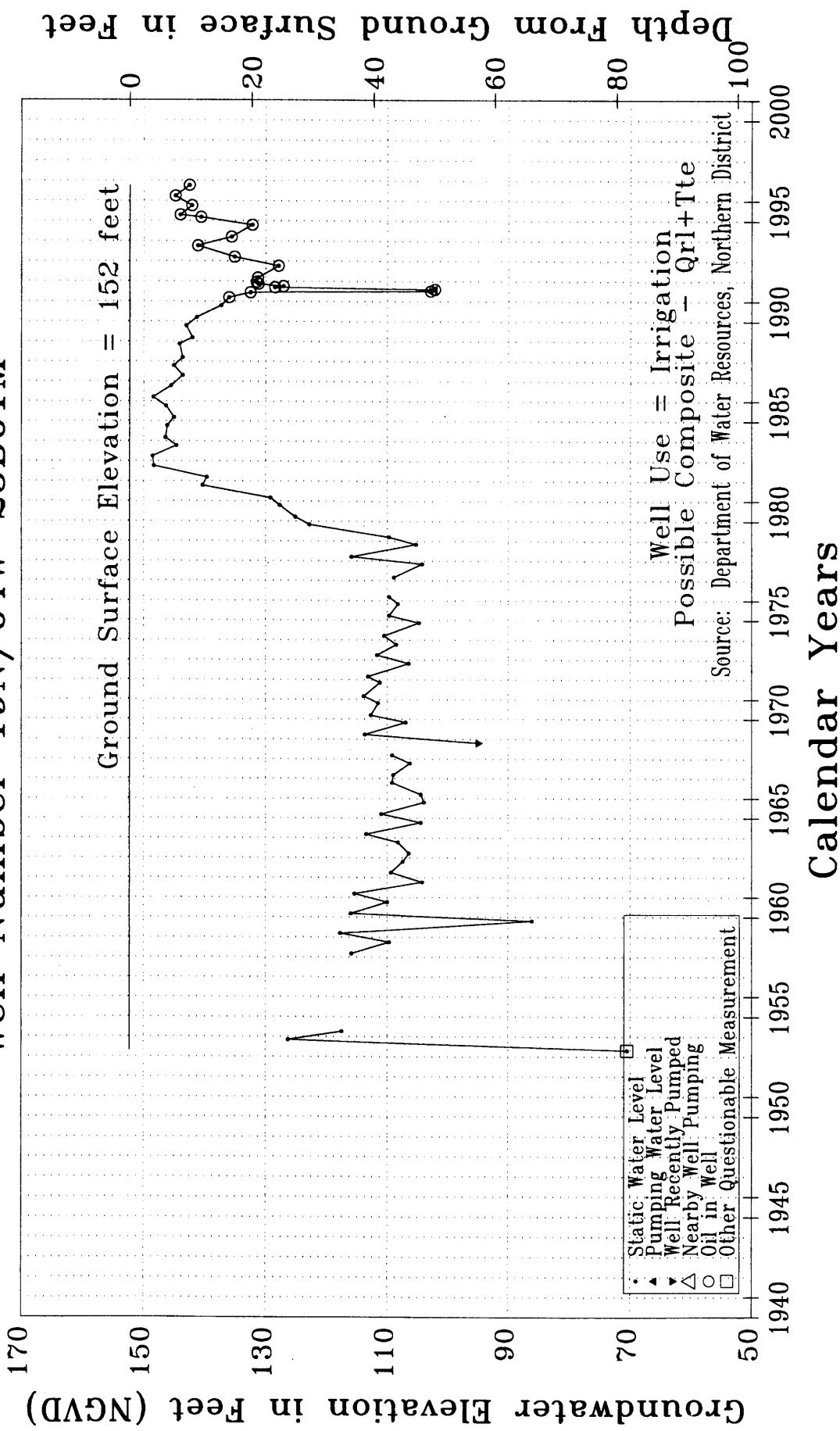
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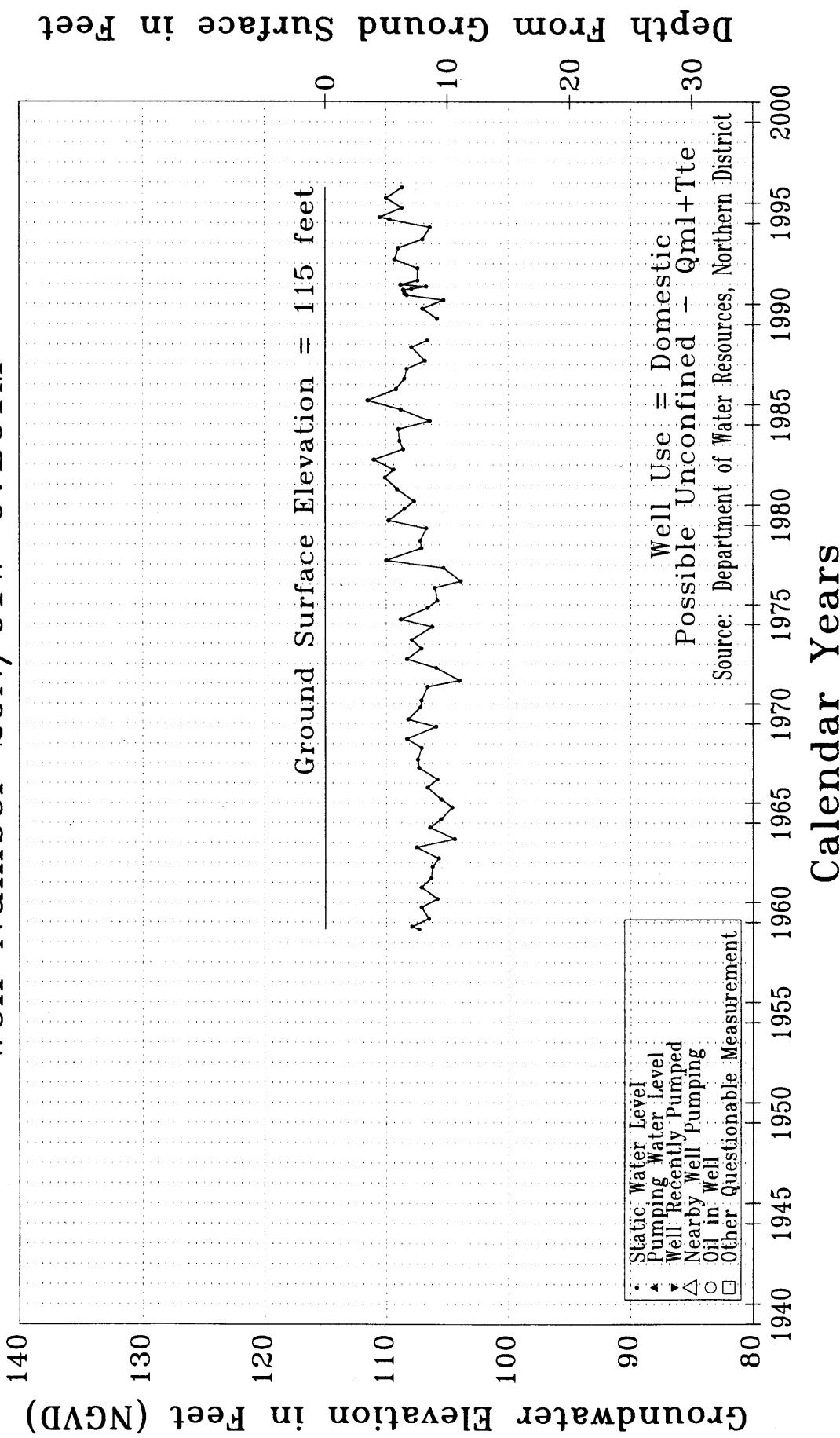
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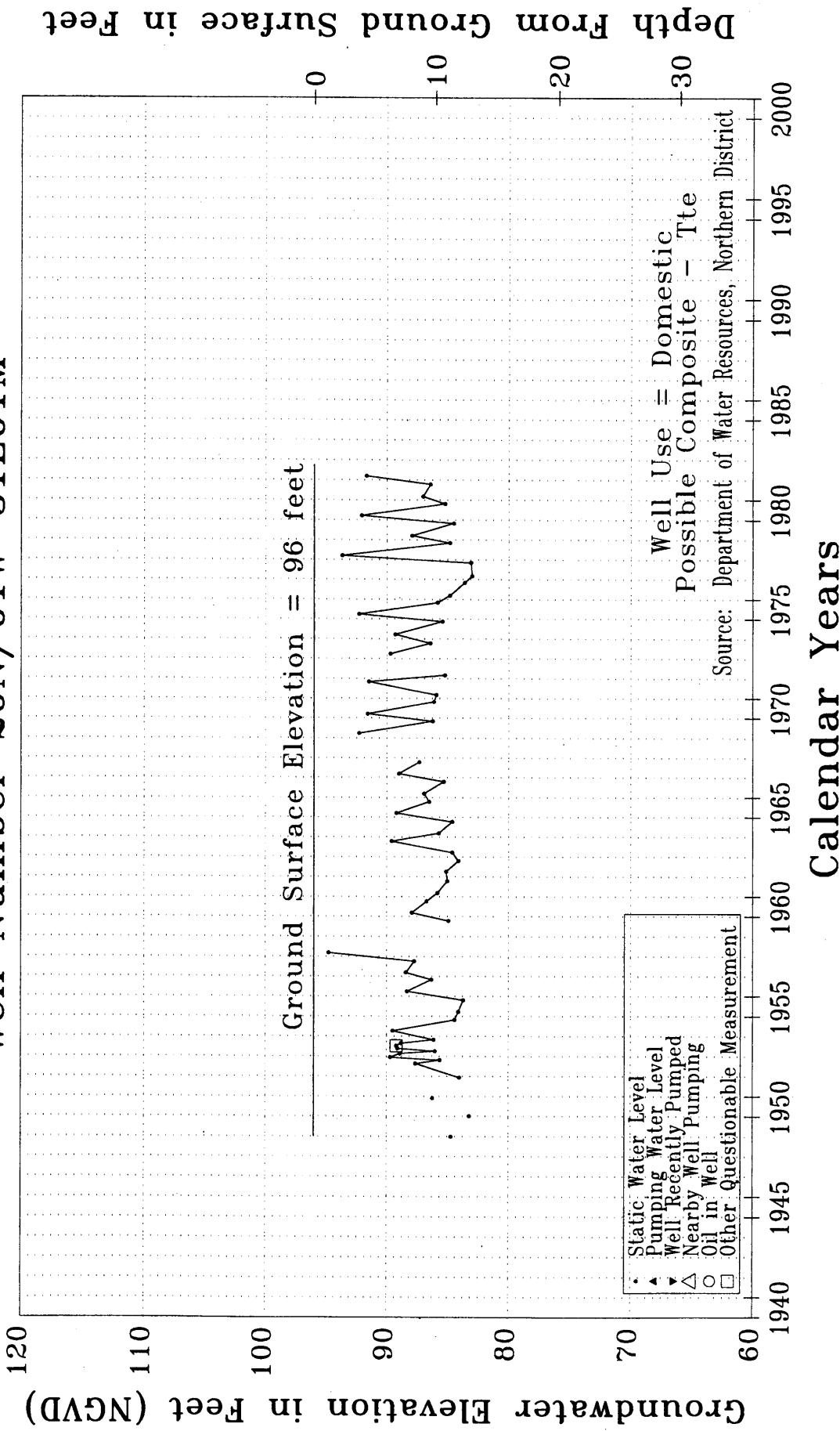
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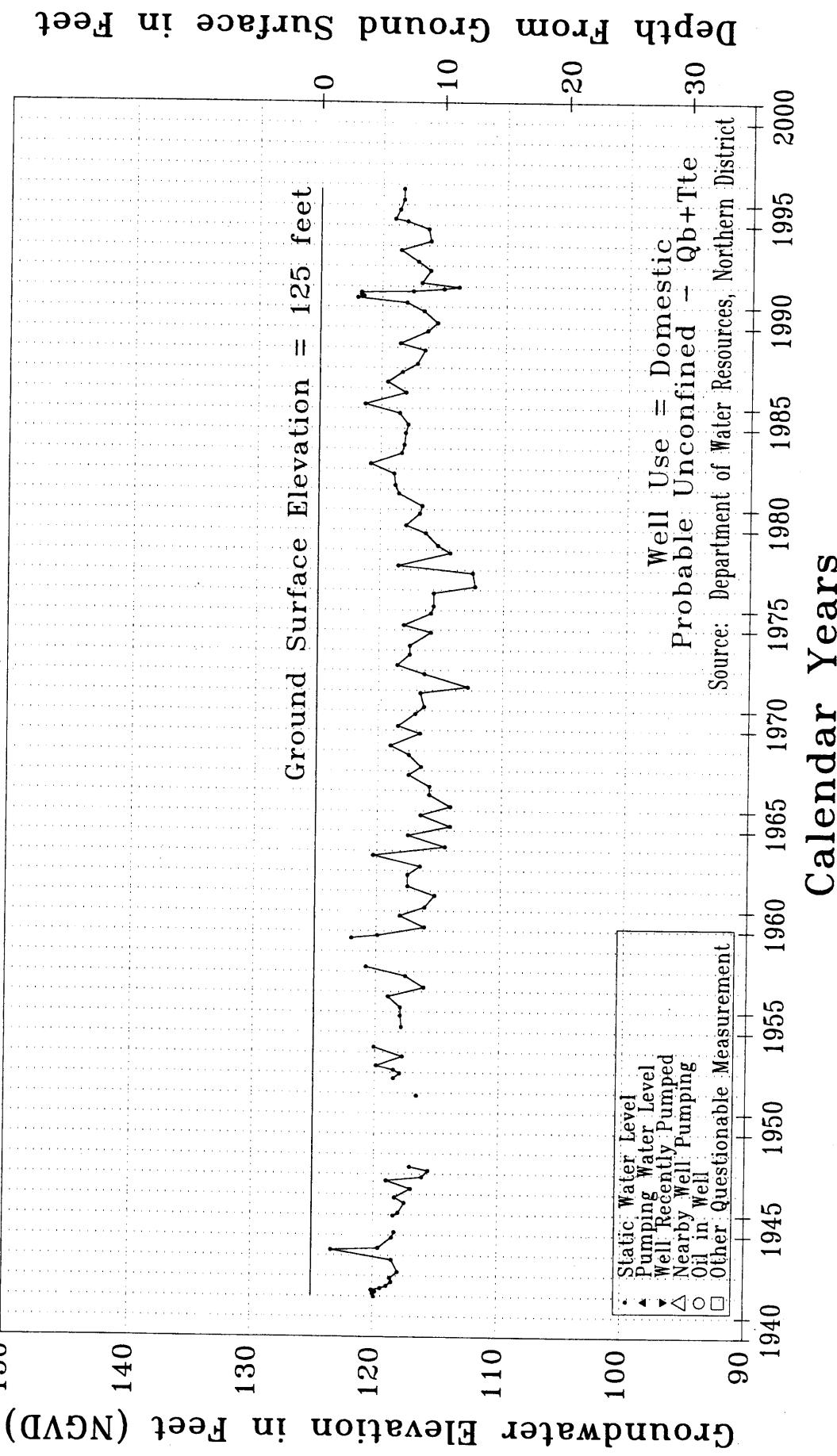
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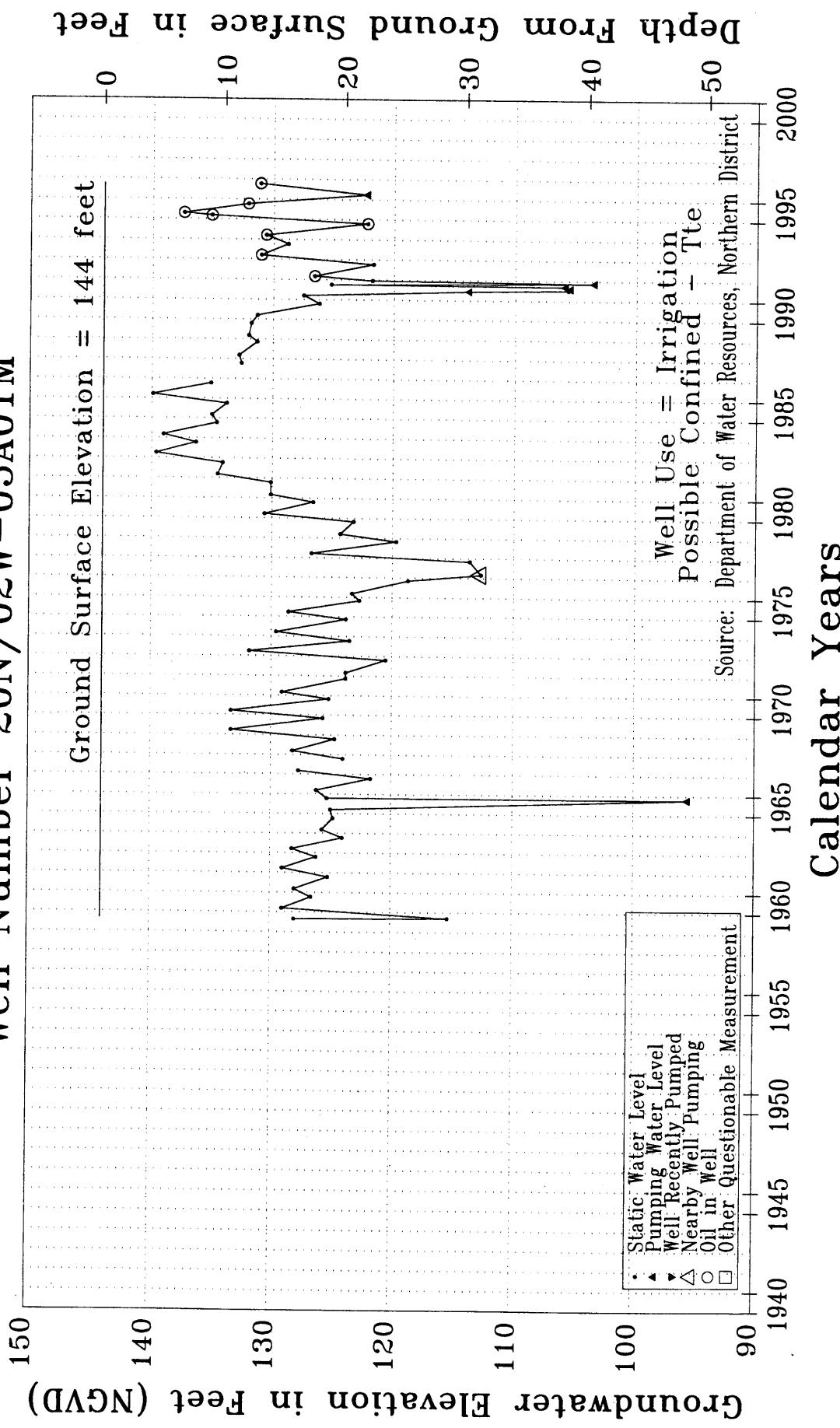
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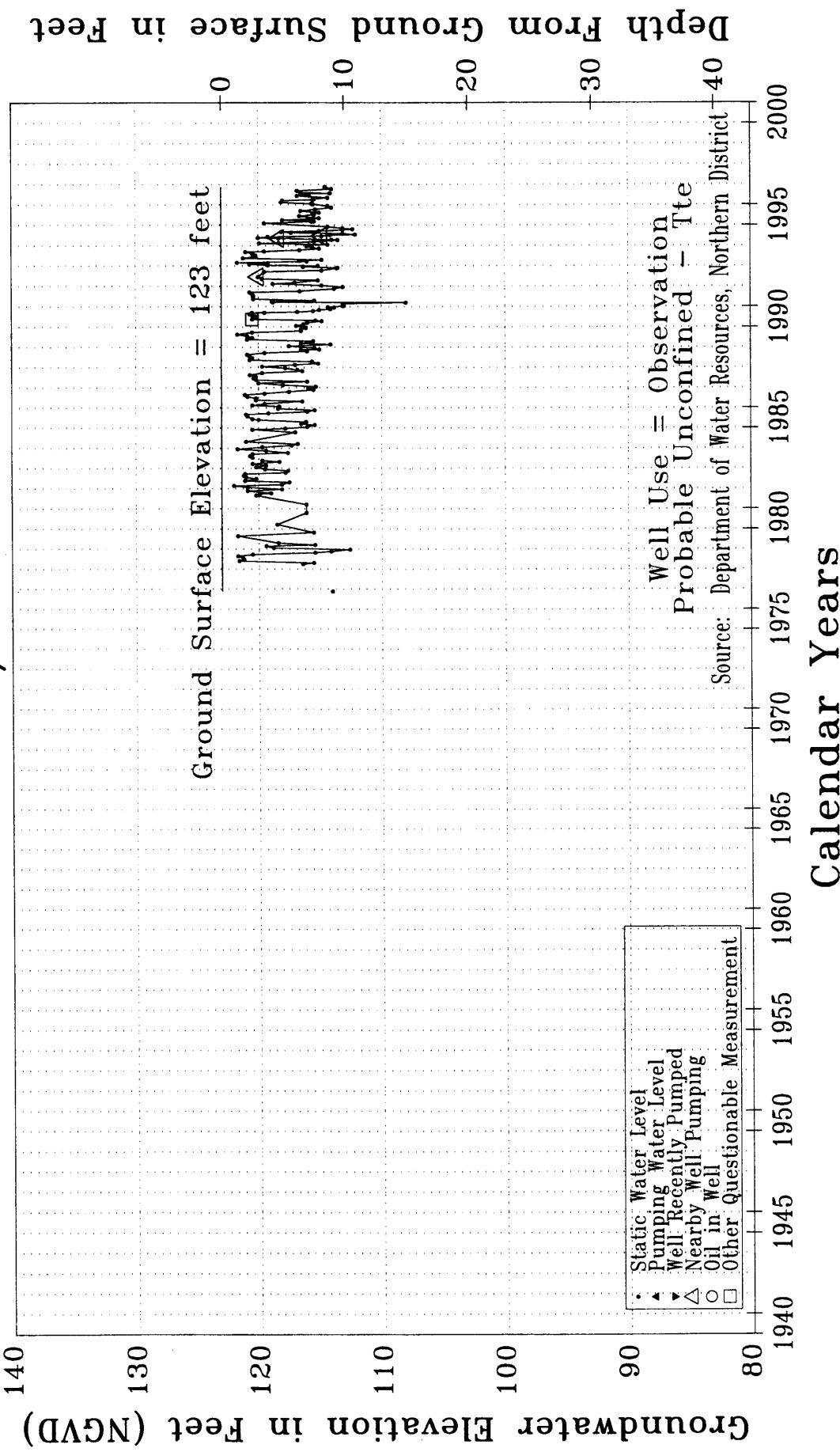
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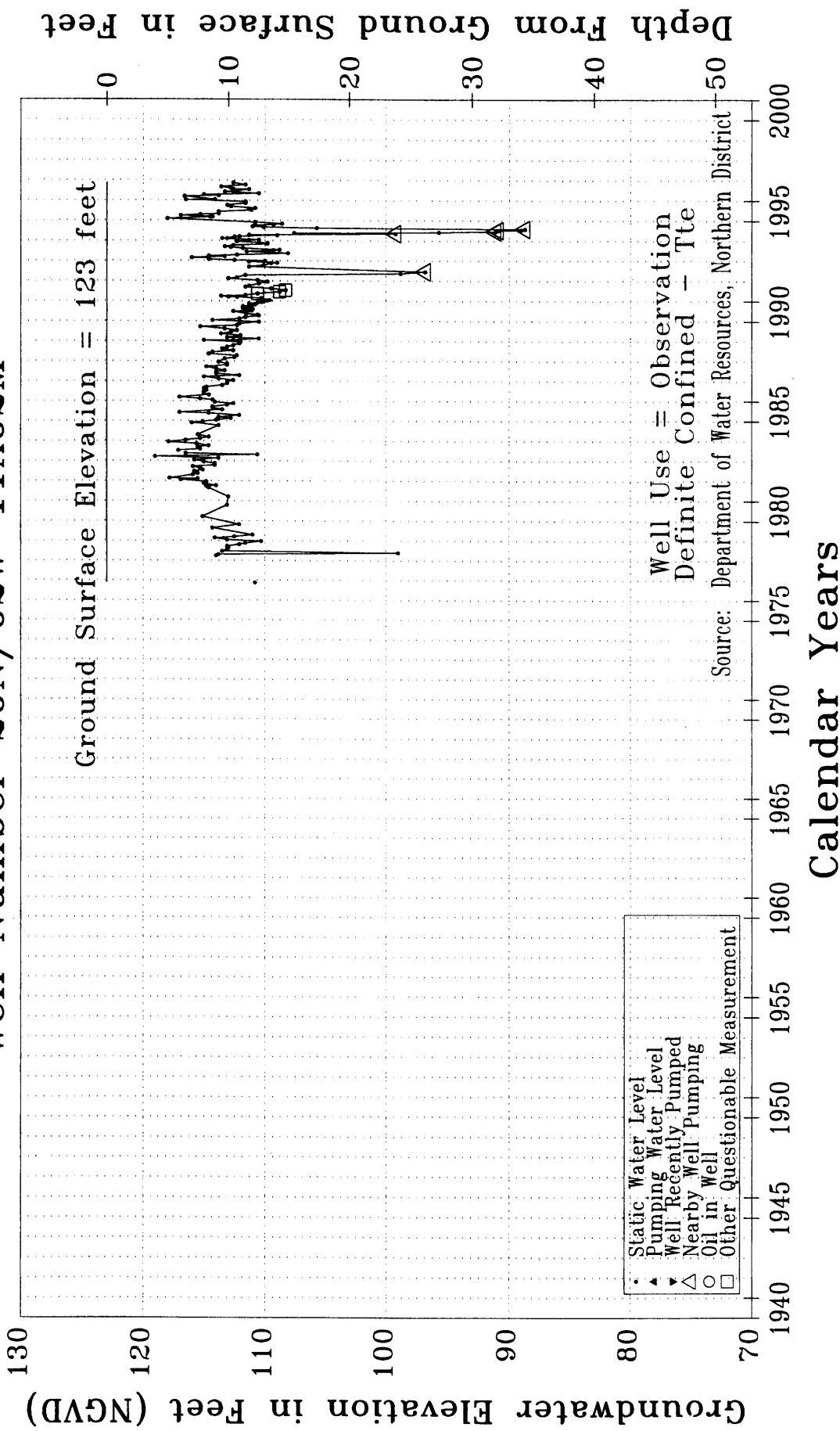
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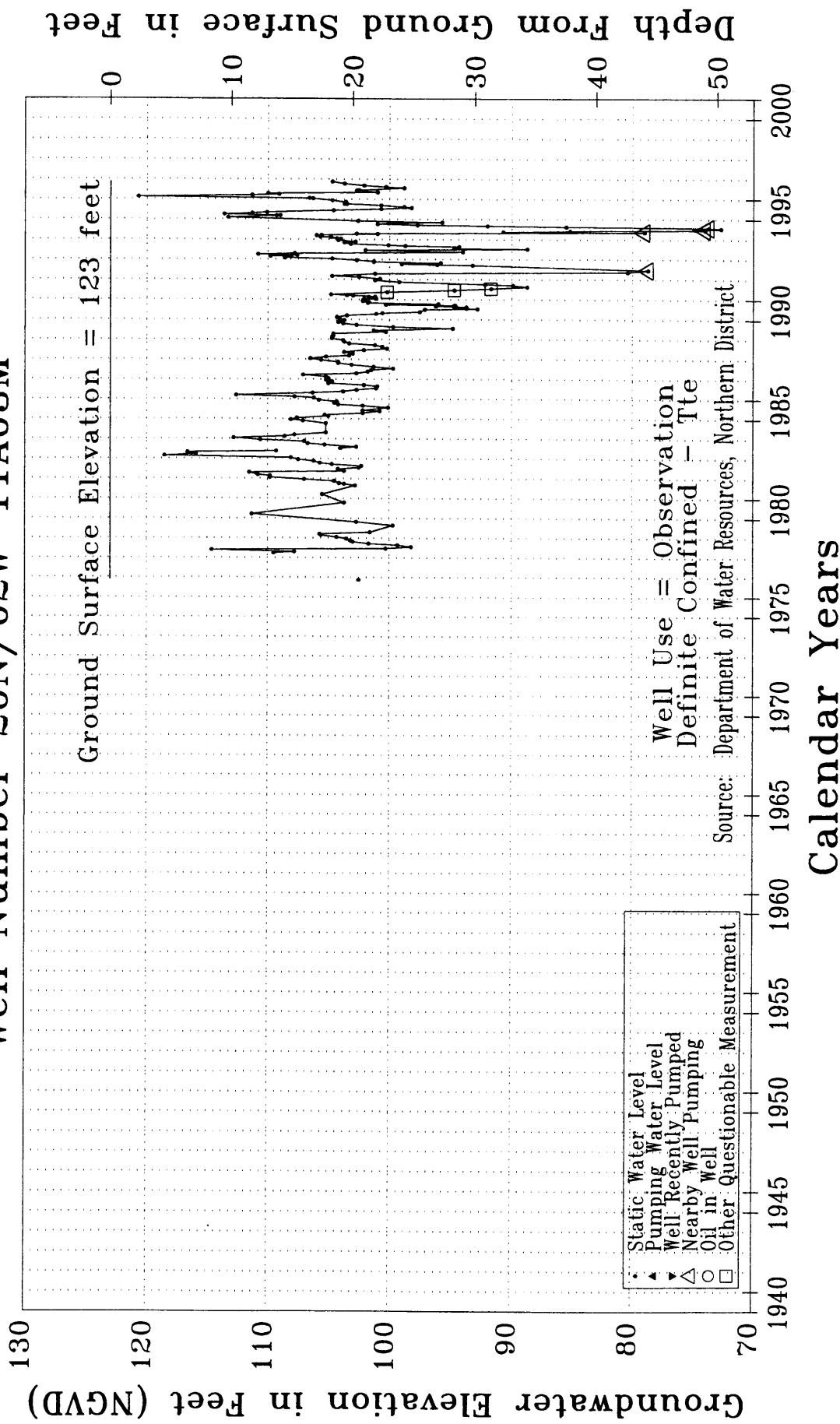
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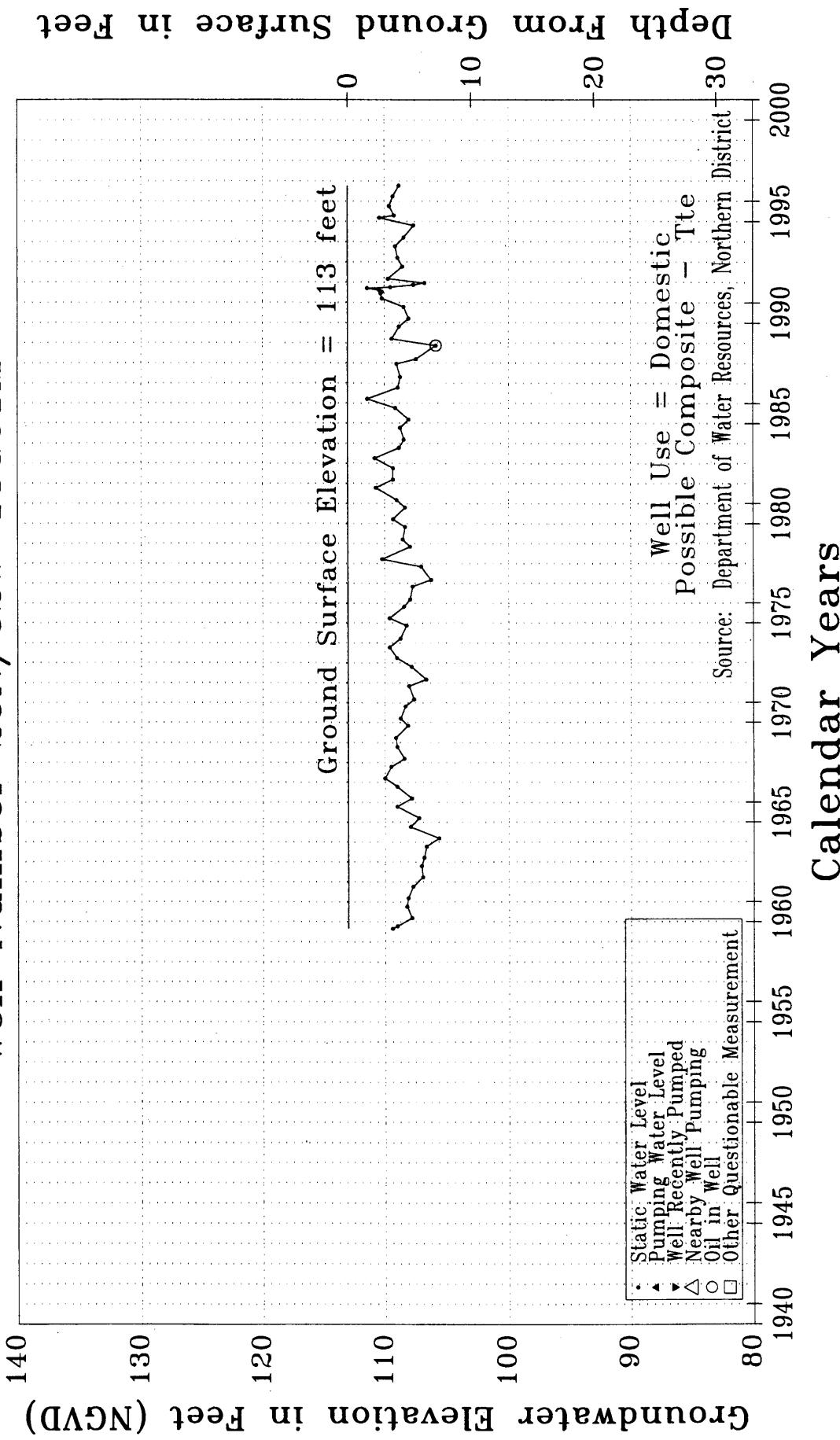
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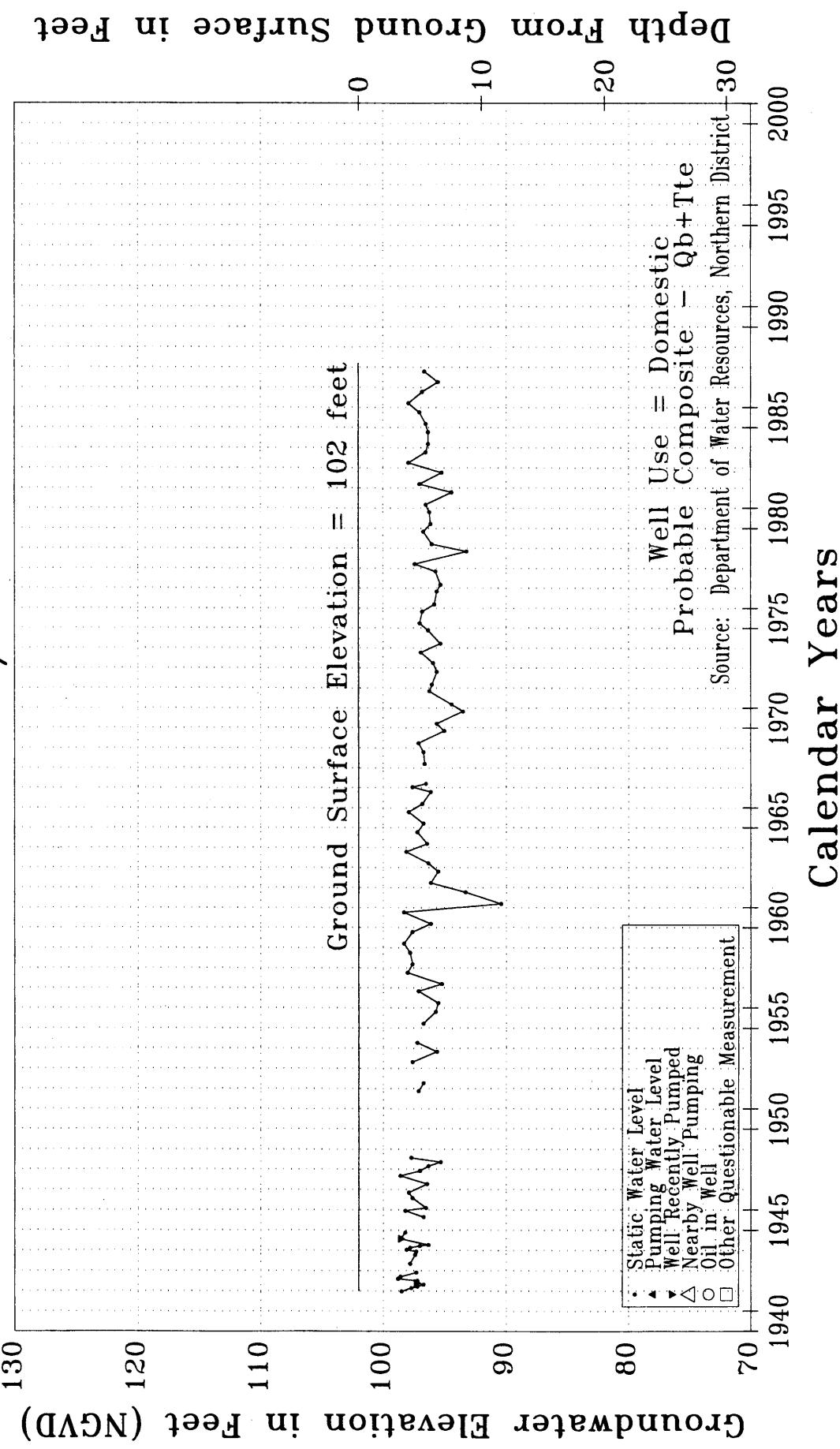
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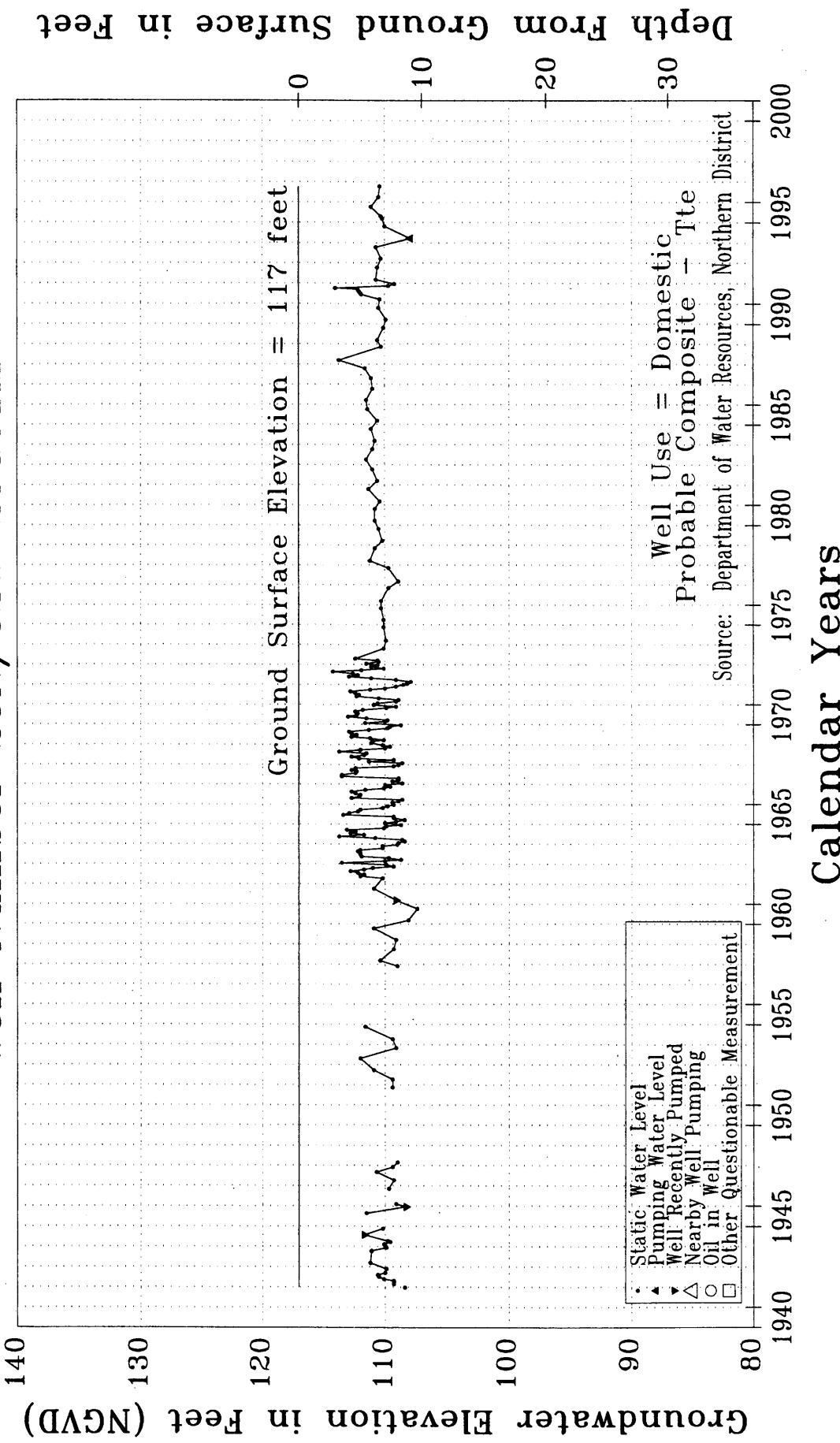
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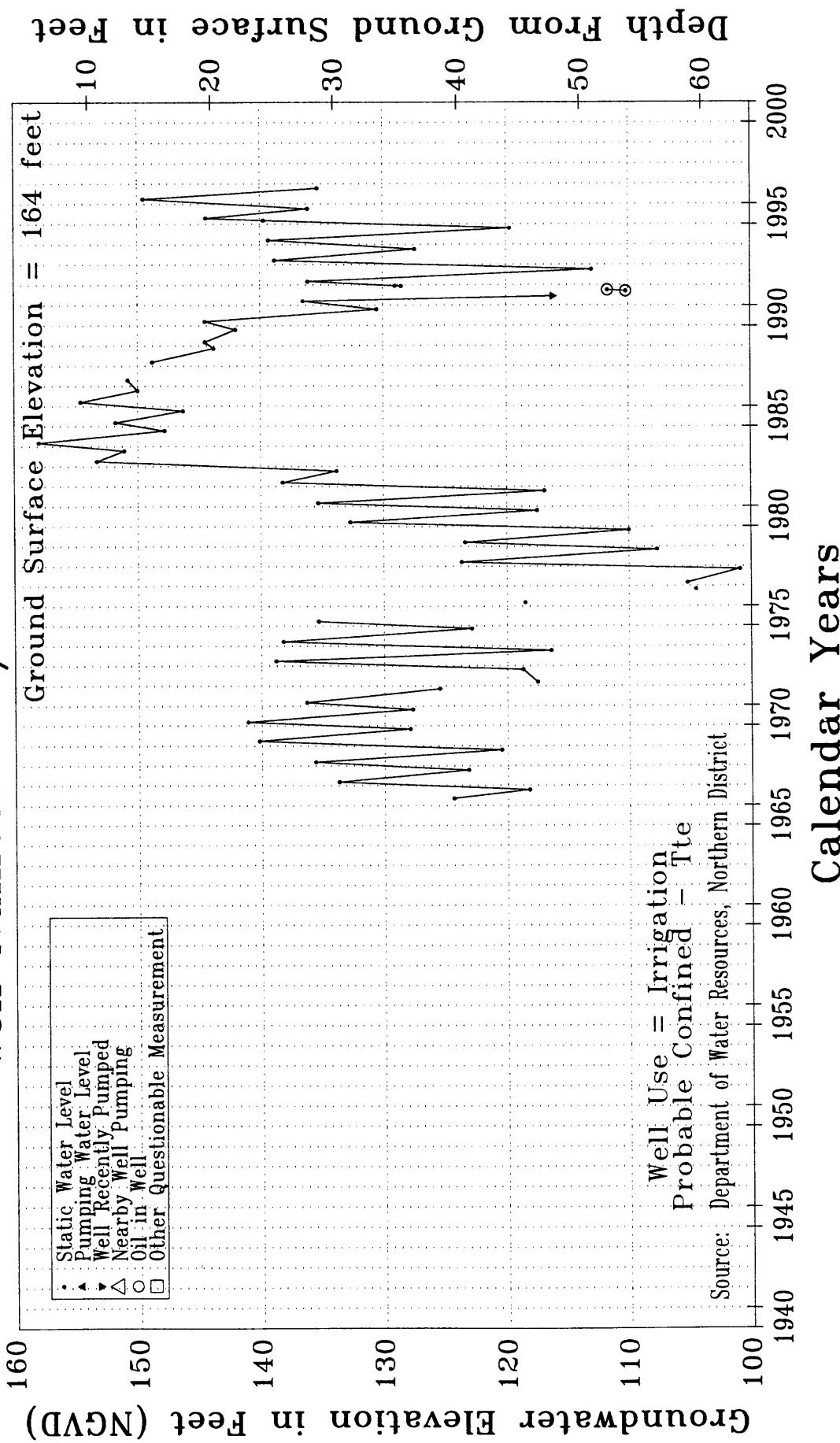
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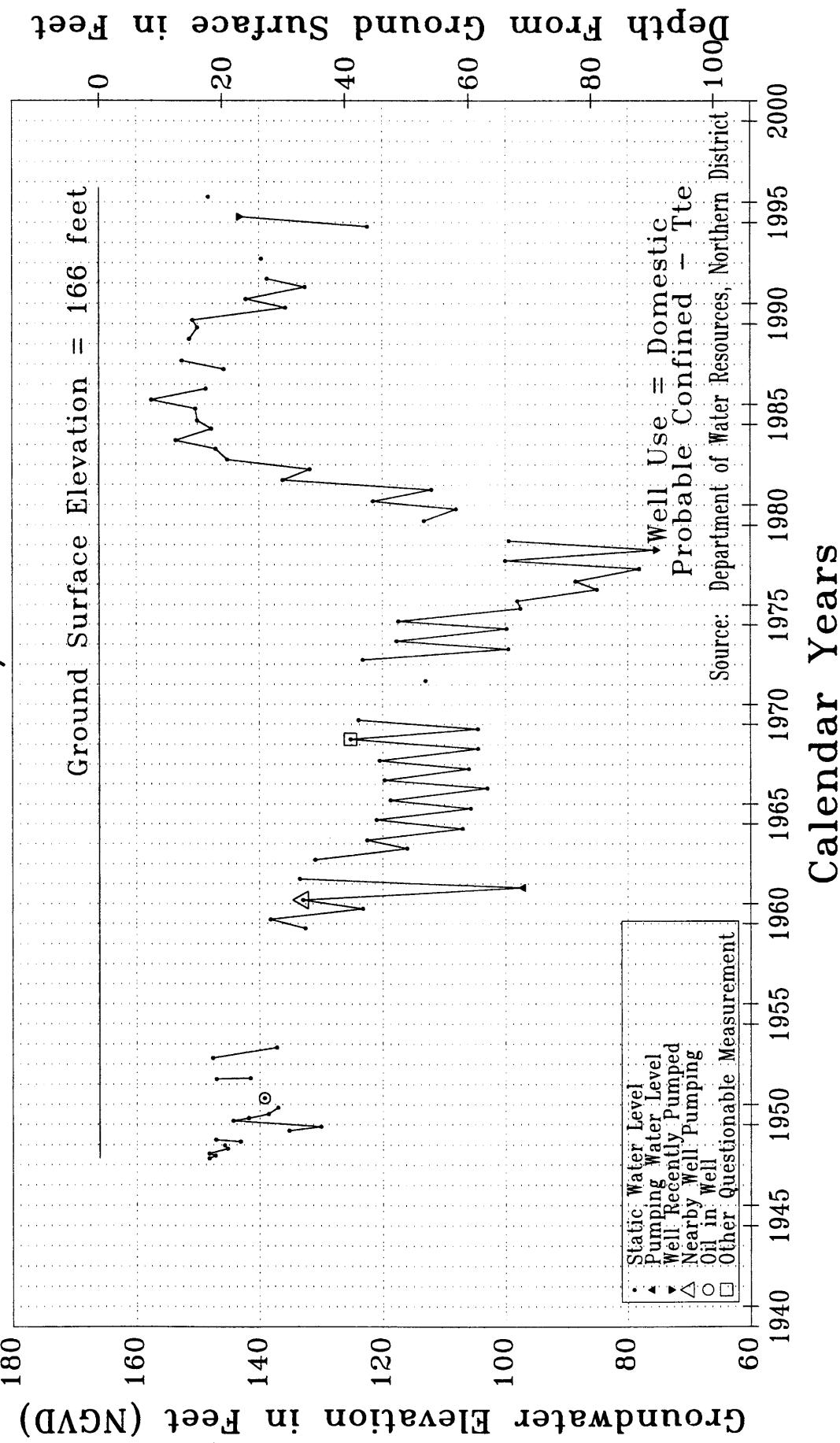
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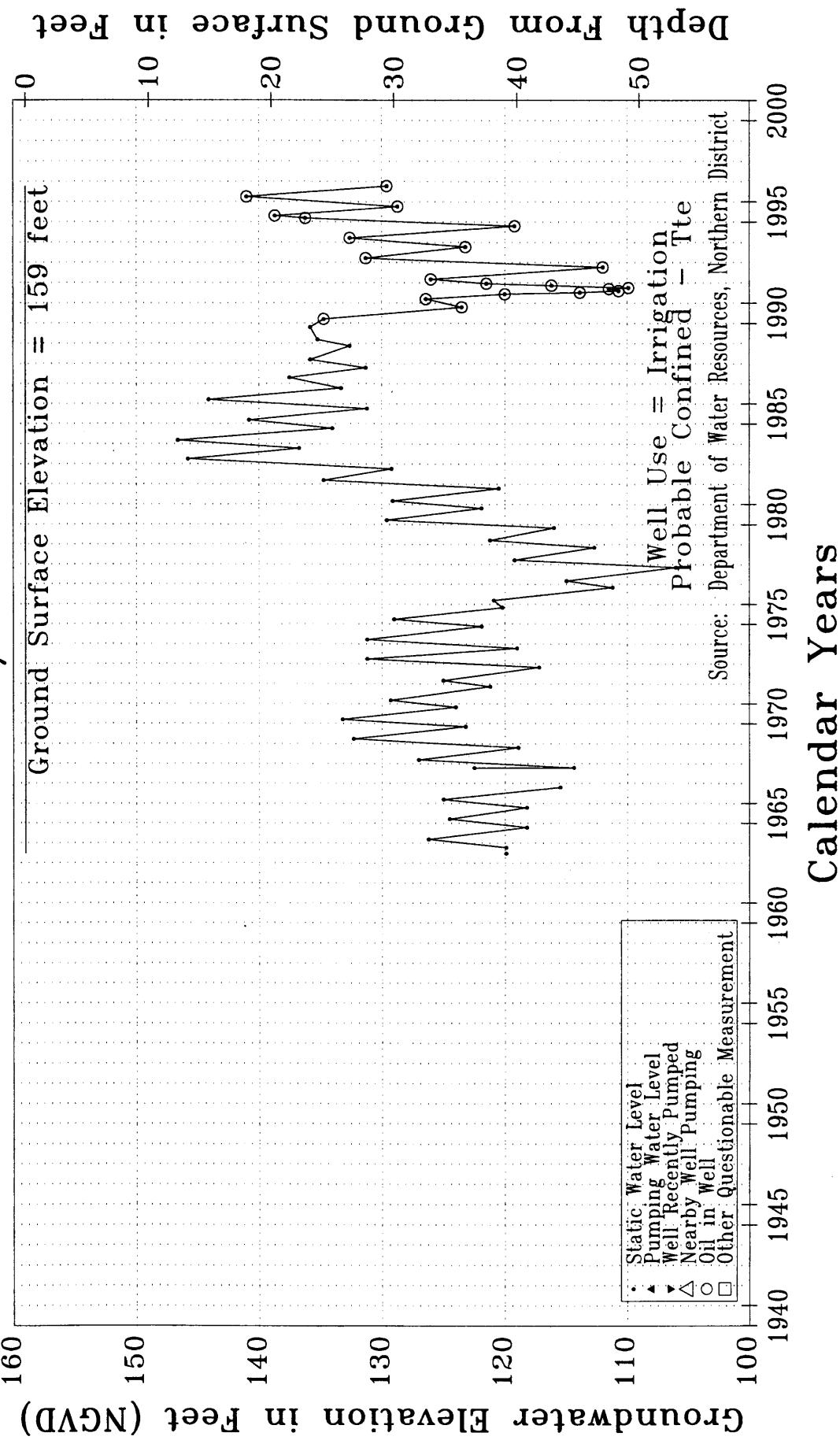
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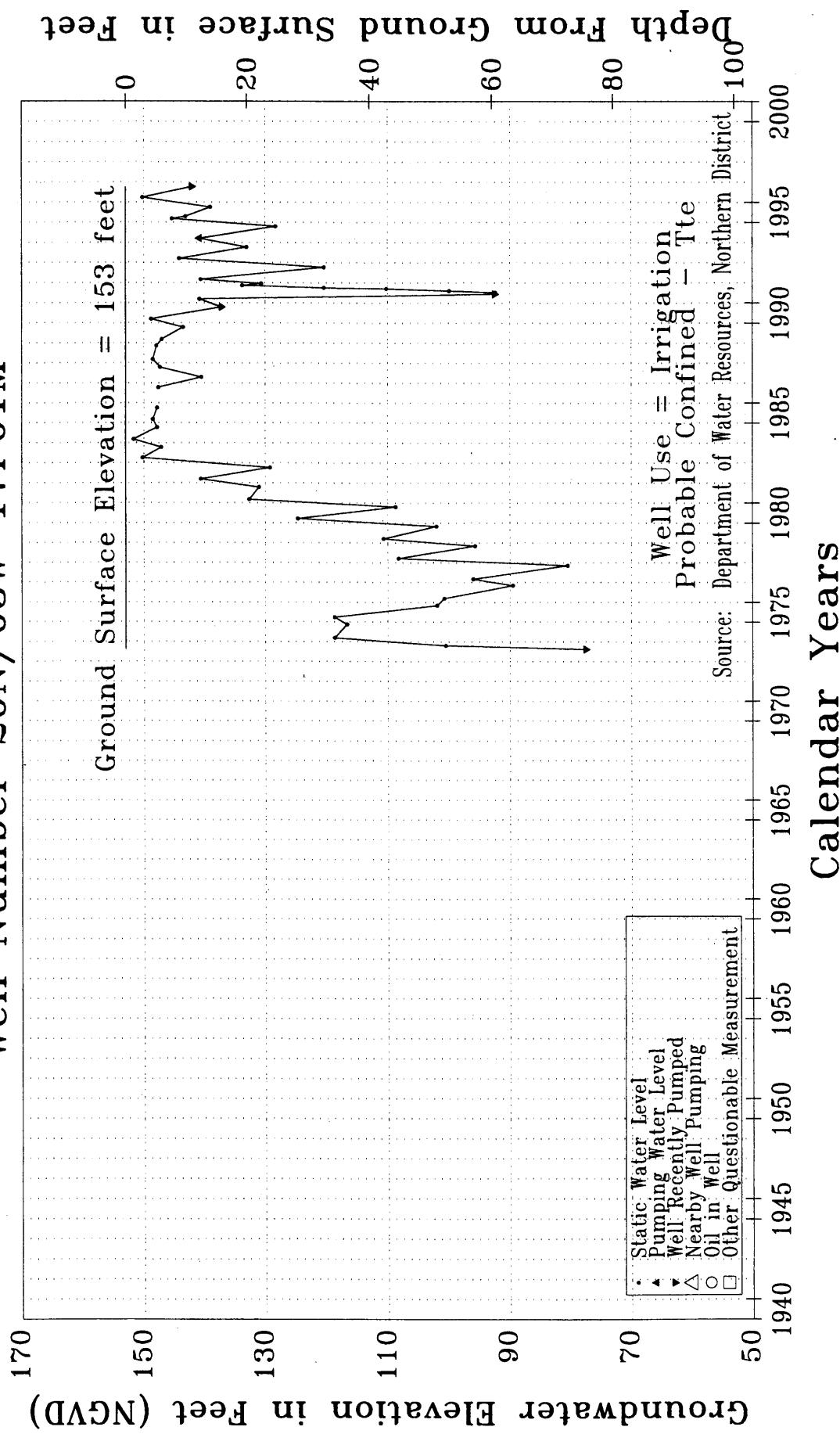
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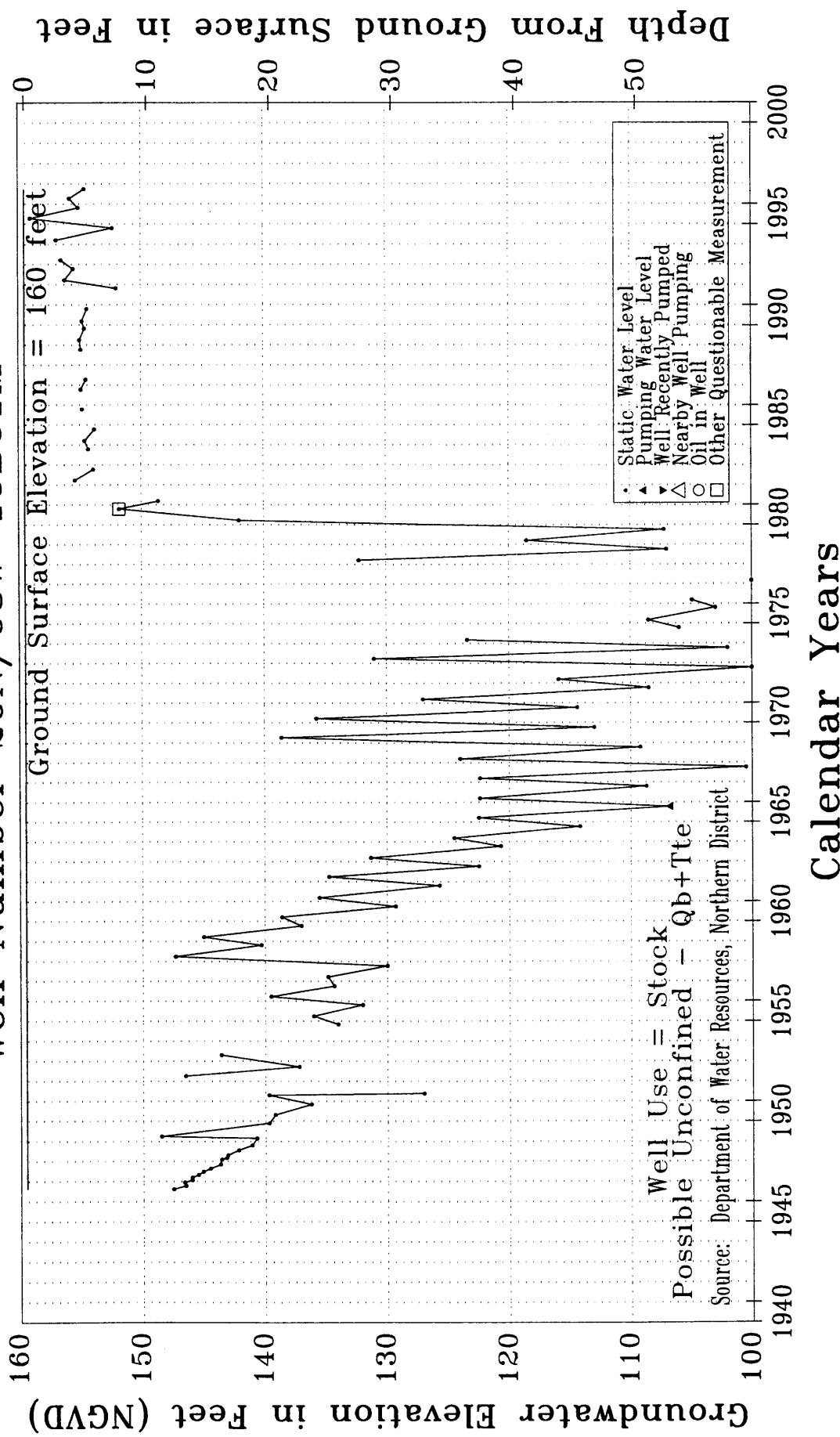
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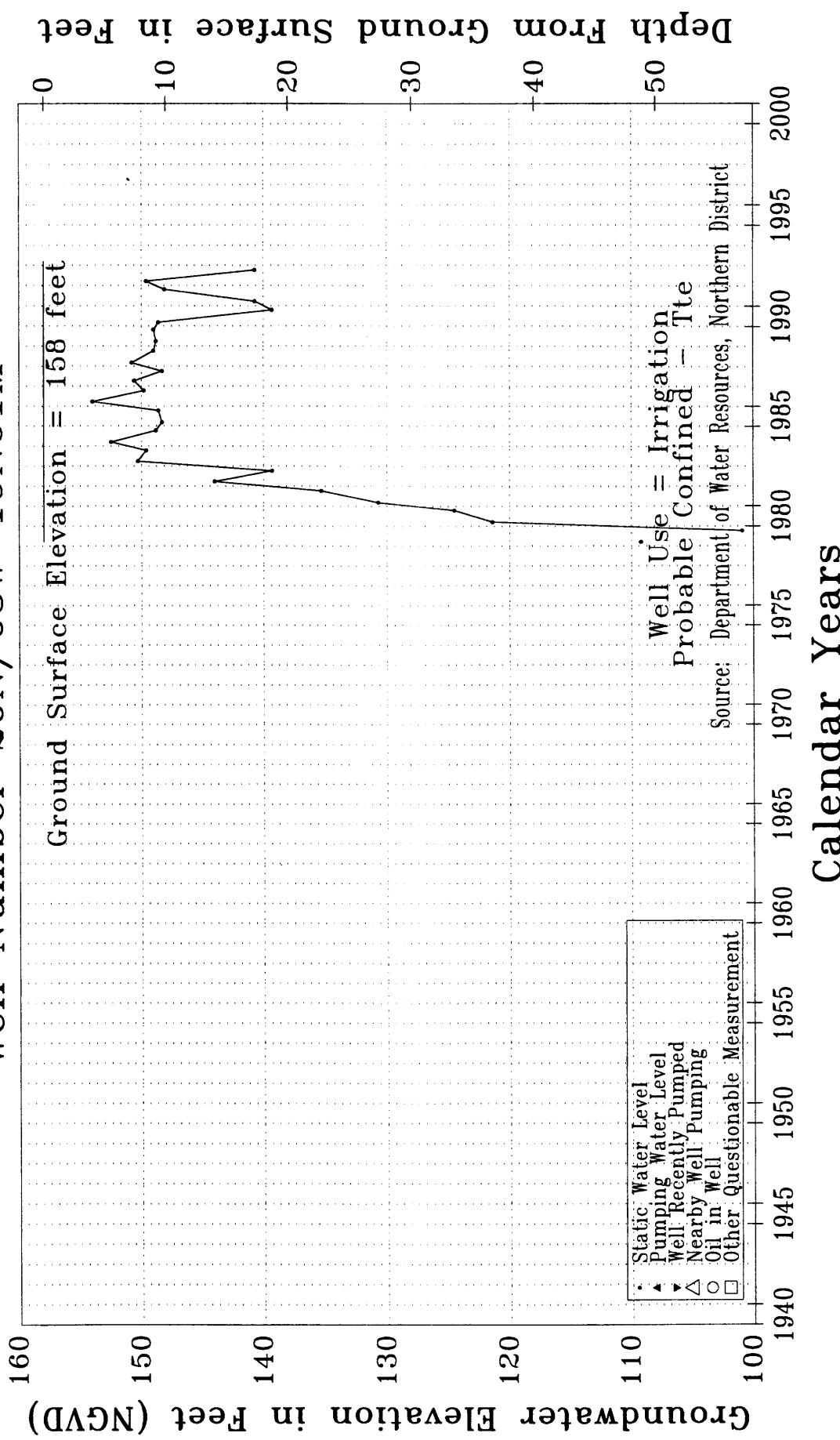
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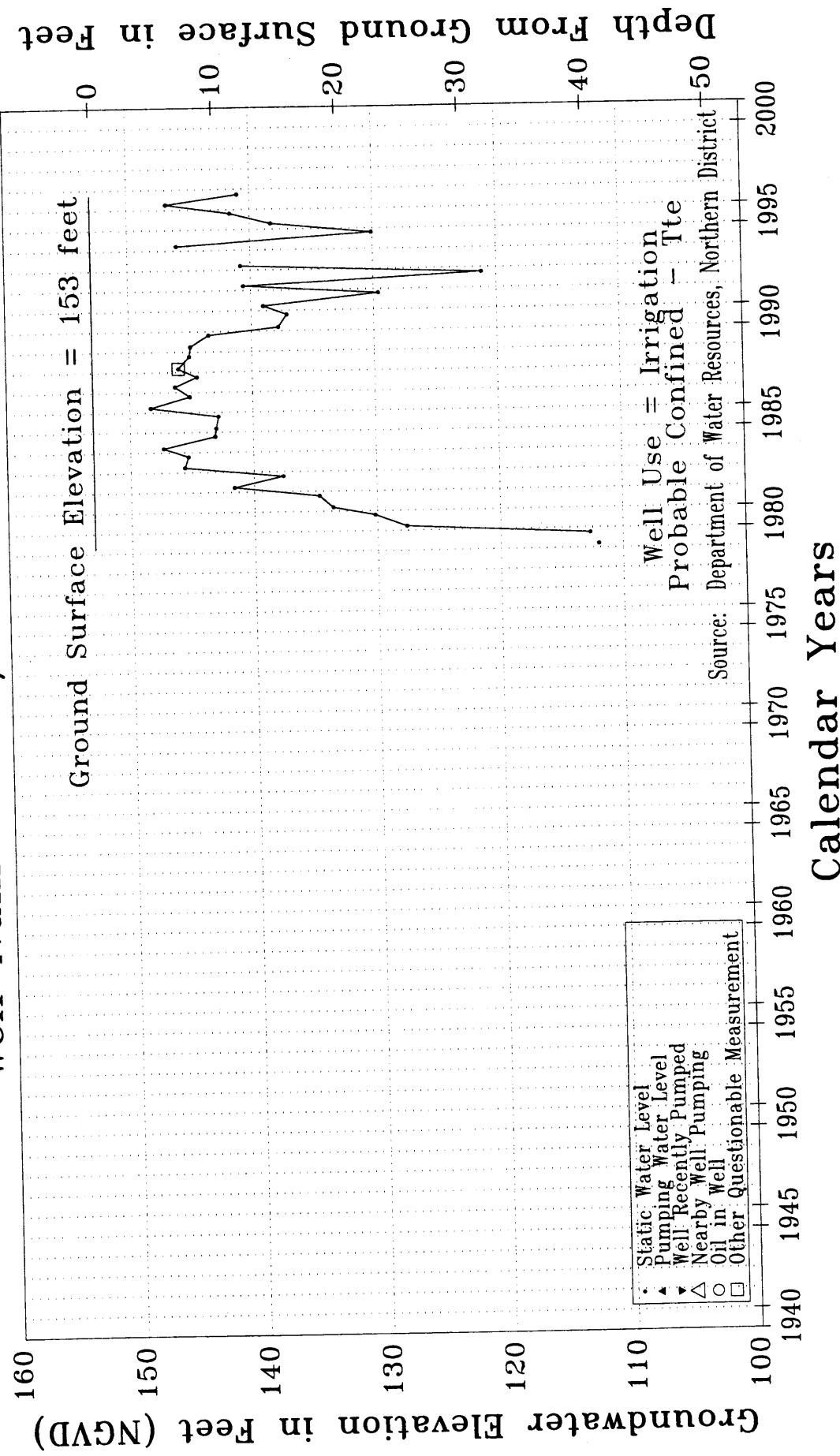
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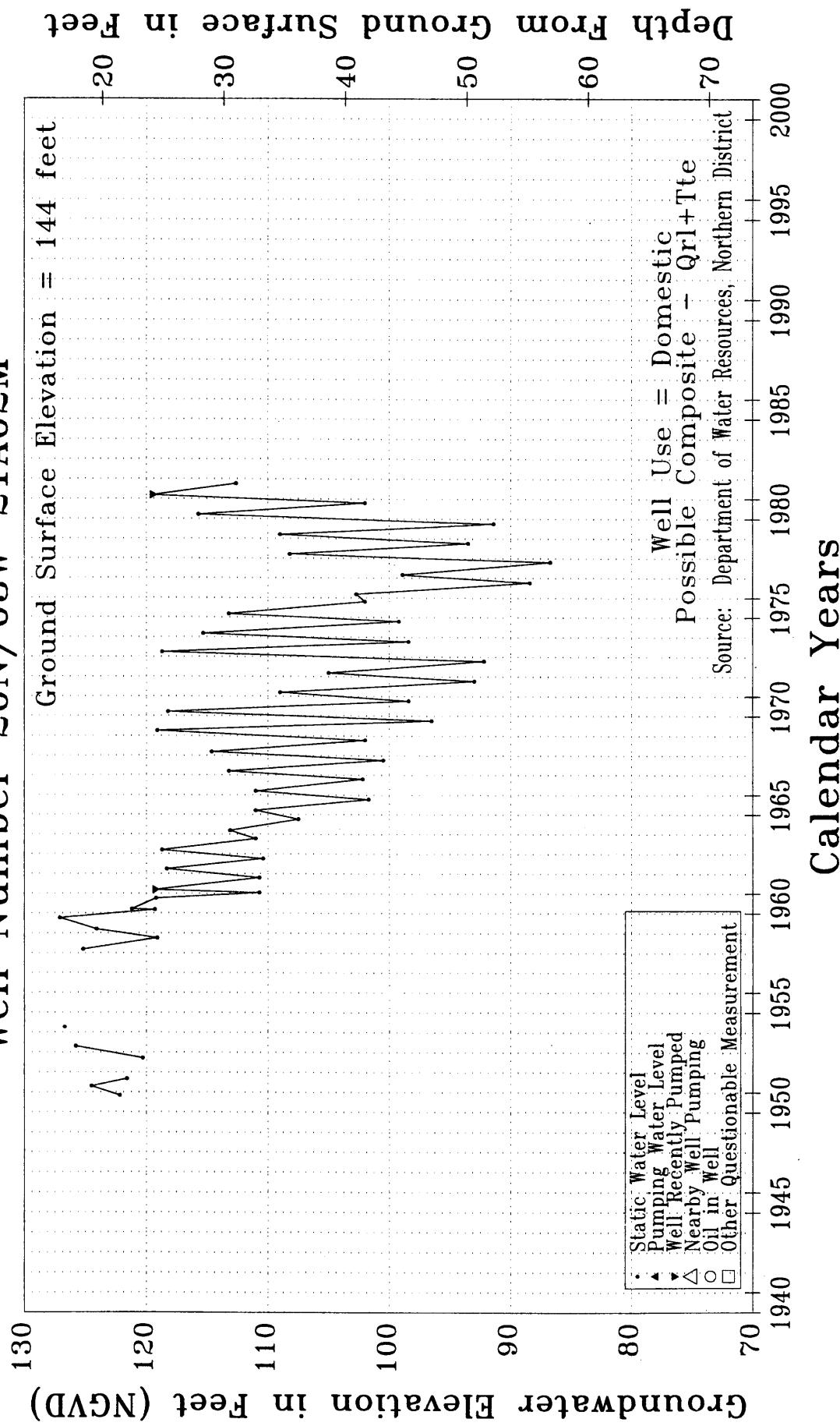
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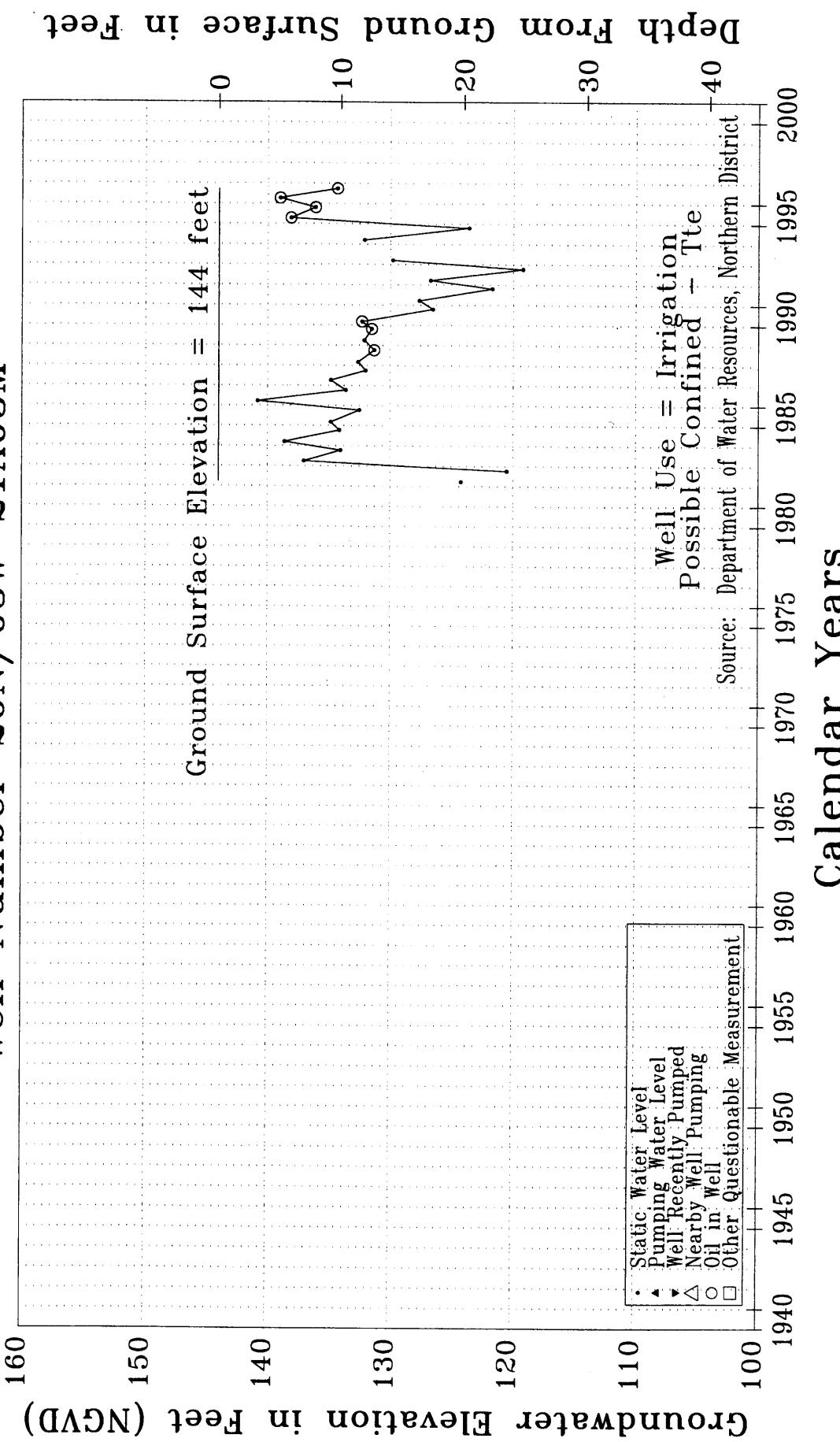
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Well Number 20N/03W–19Q01M



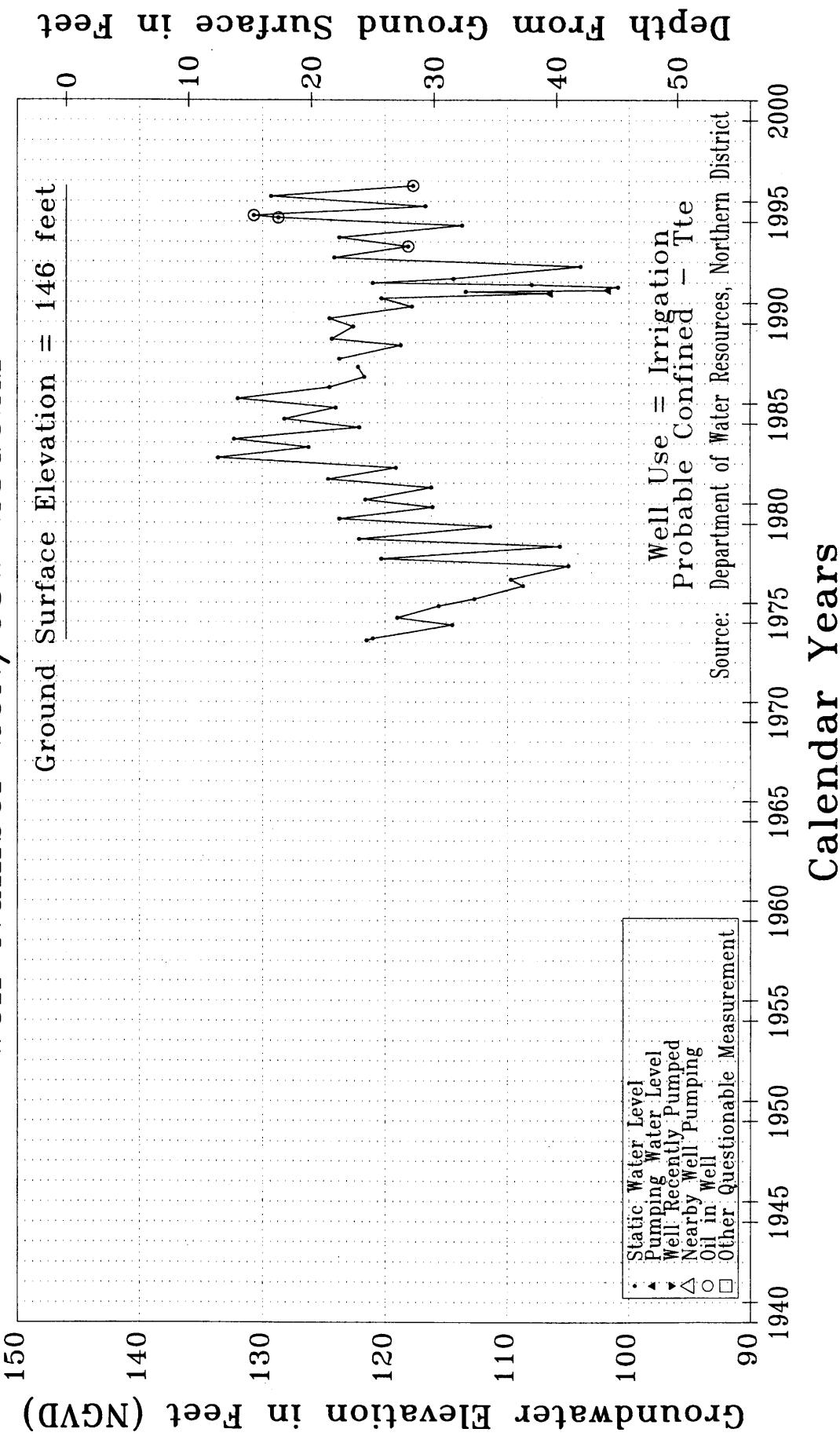
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Well Number 20N/03W–21A02M



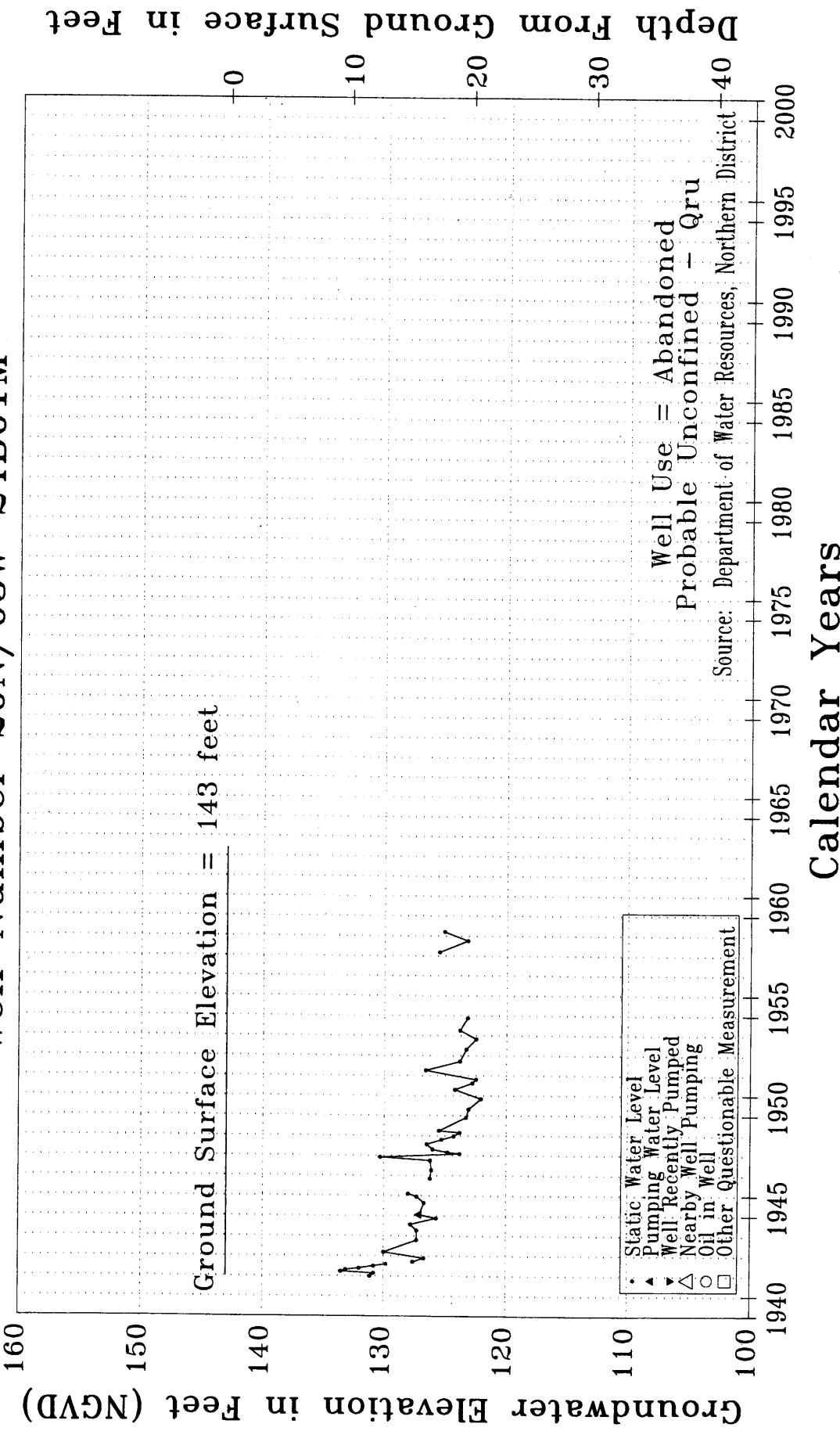
Sacramento Valley Groundwater Basin – Glenn County  
Well Number 20N/03W–21A03M



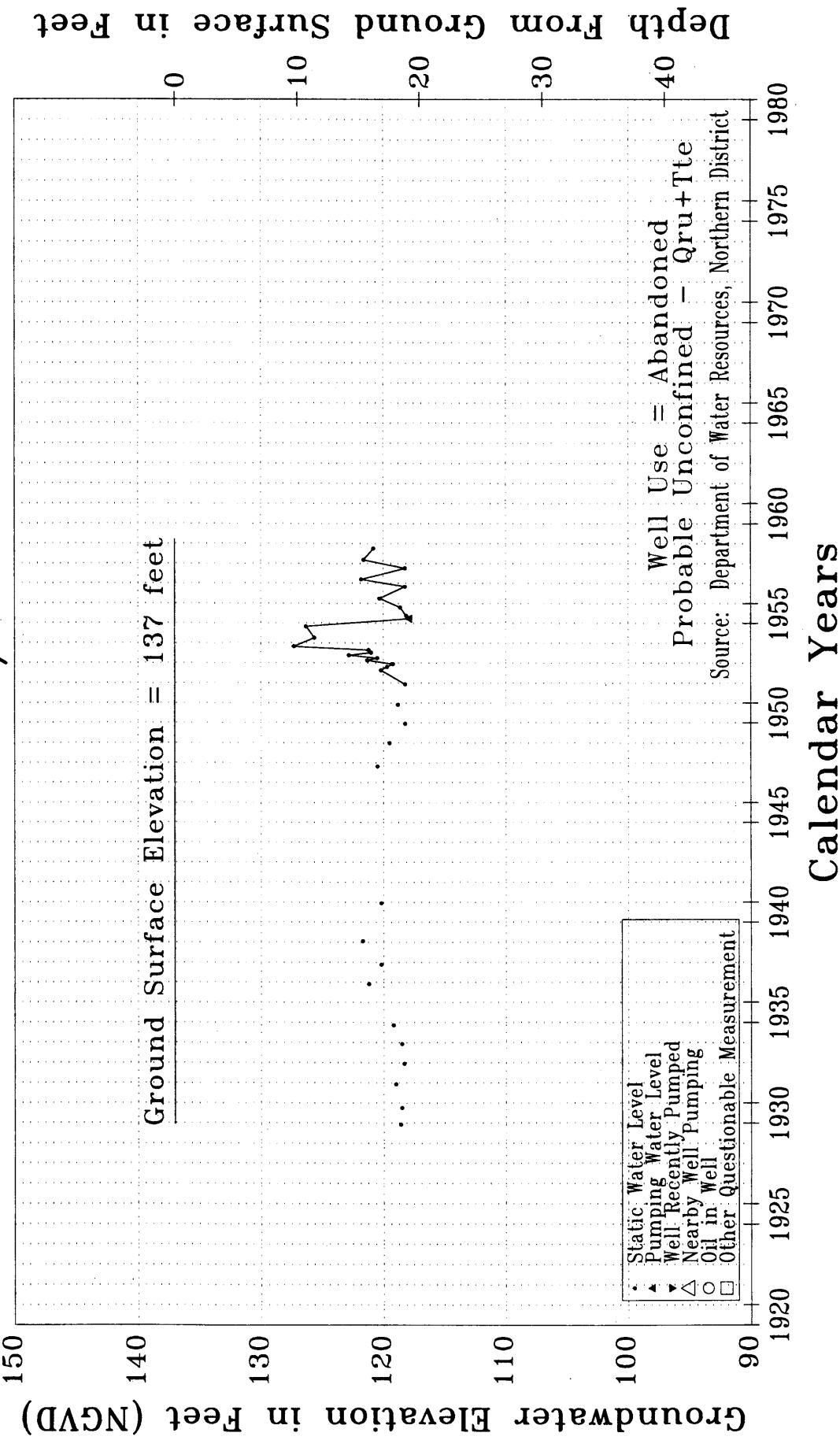
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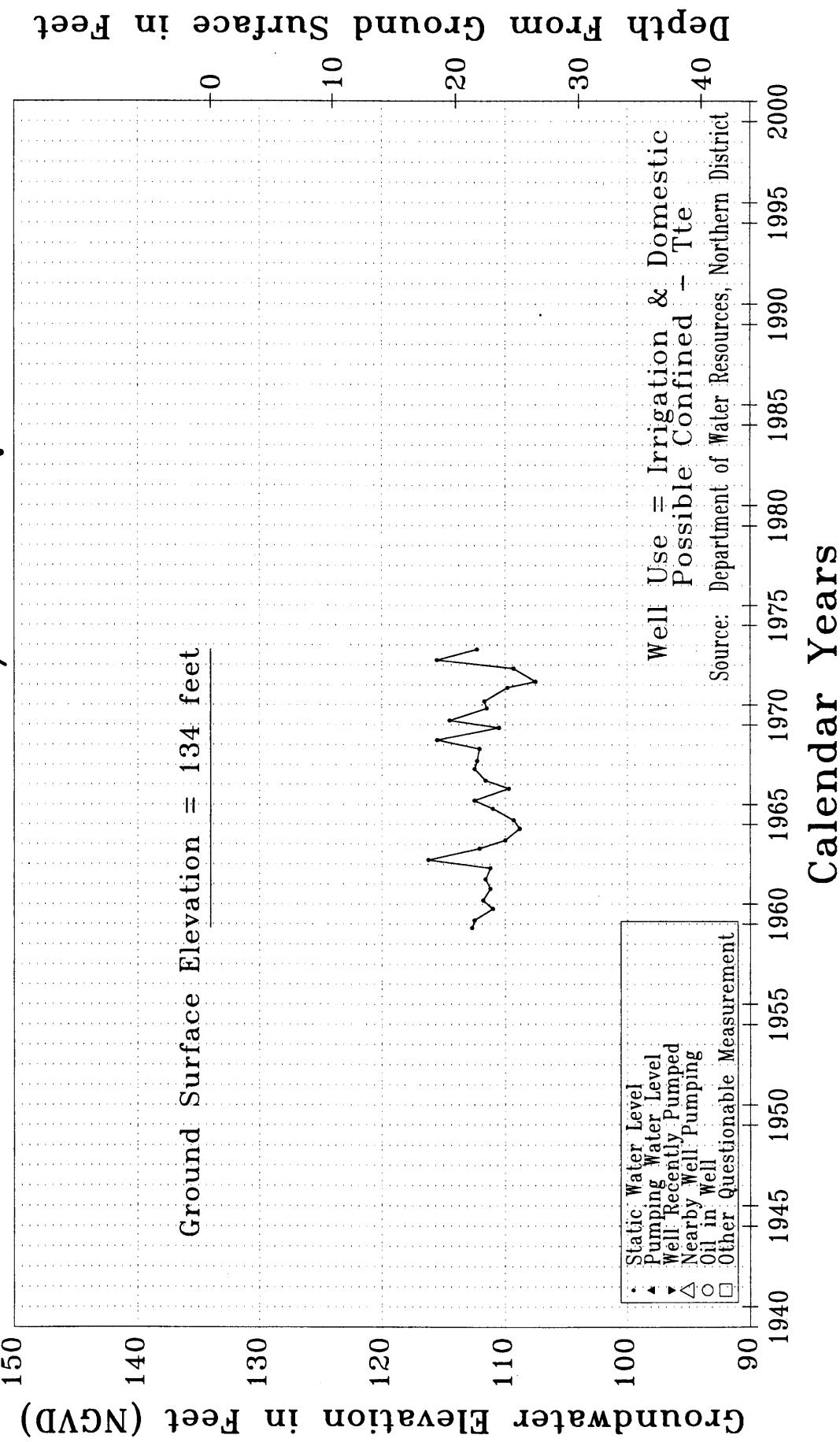
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Well Number 20N/03W–24B01M



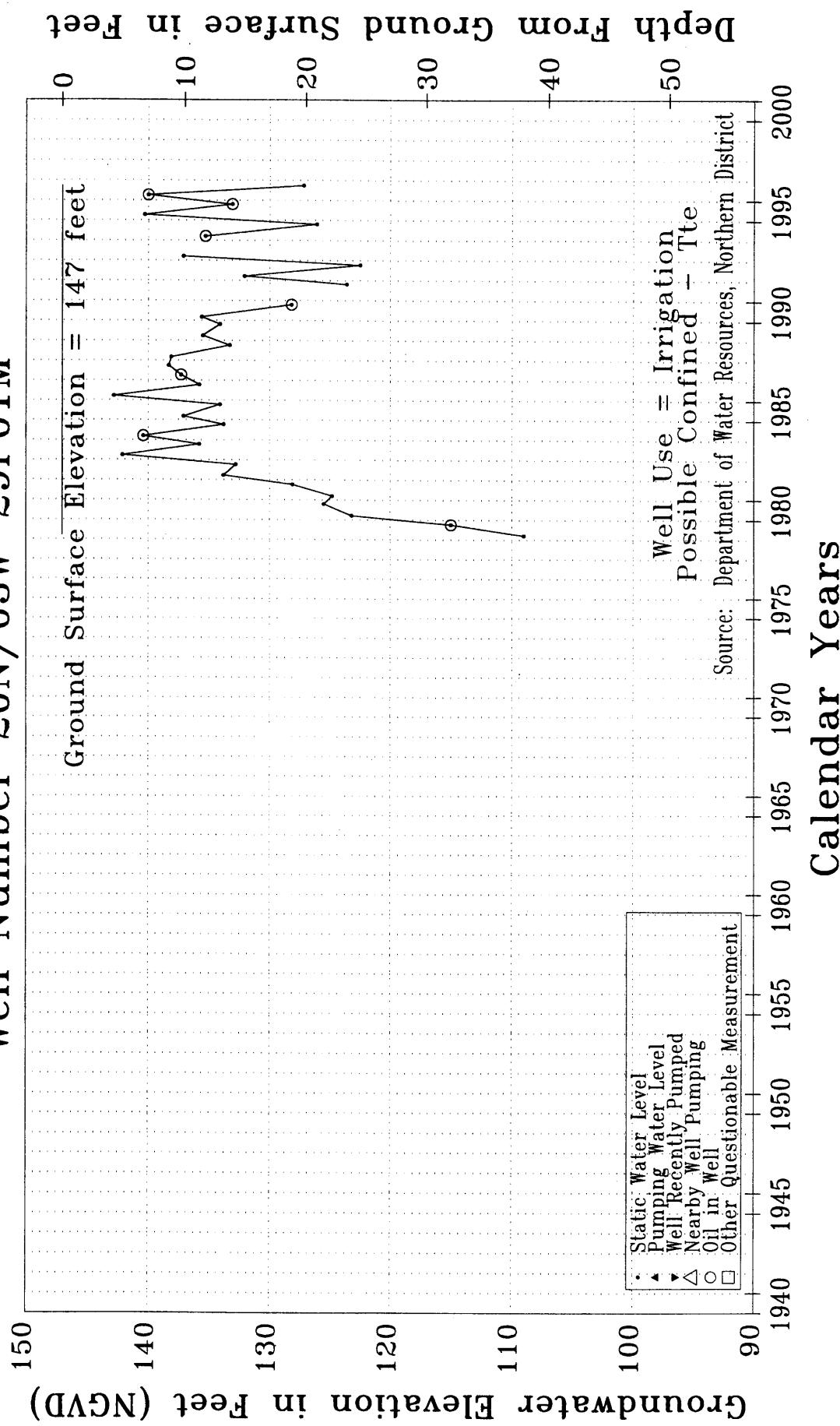
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Well Number 20N/03W-25P01M



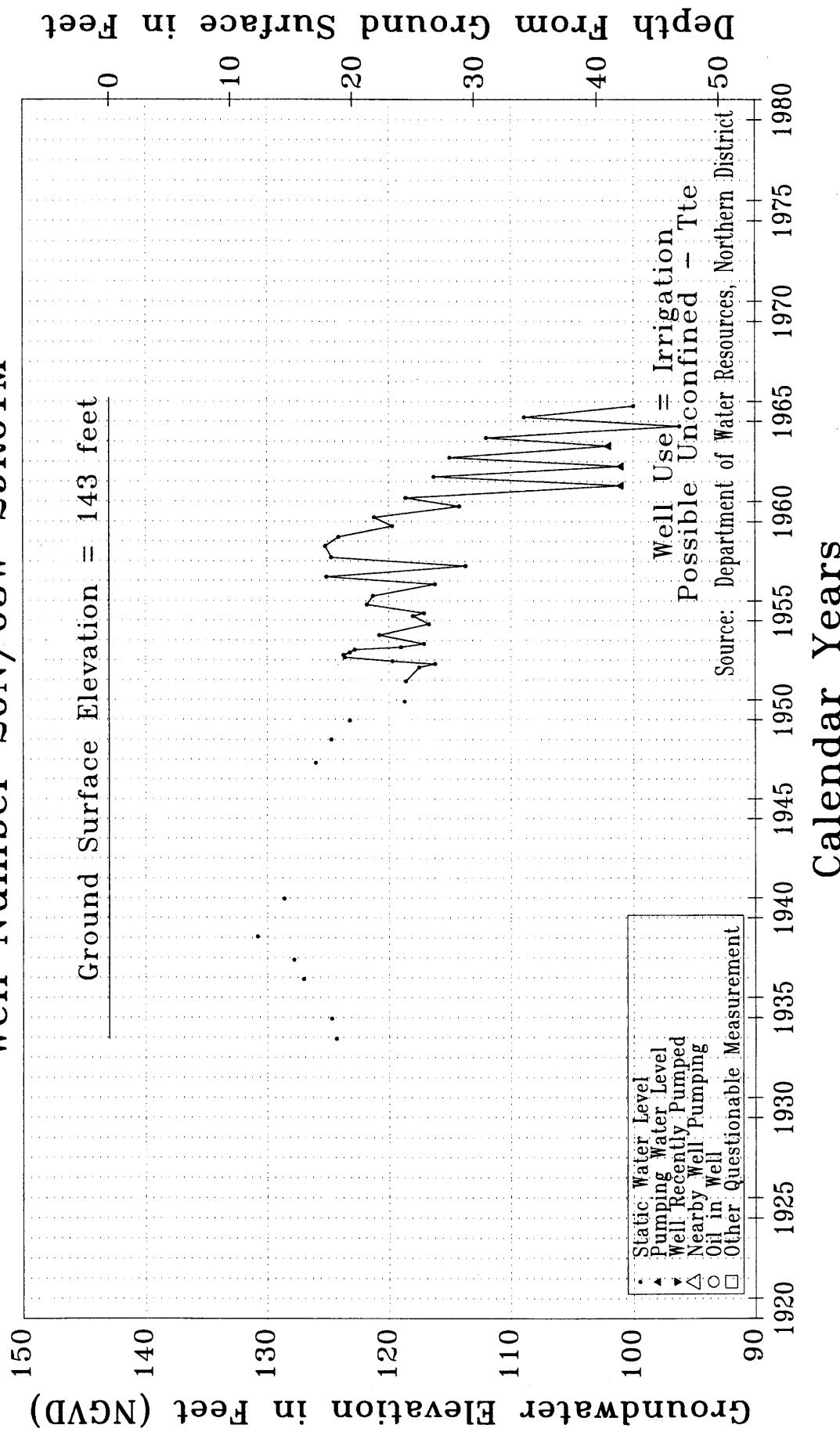
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Well Number 20N/03W–25Q01M



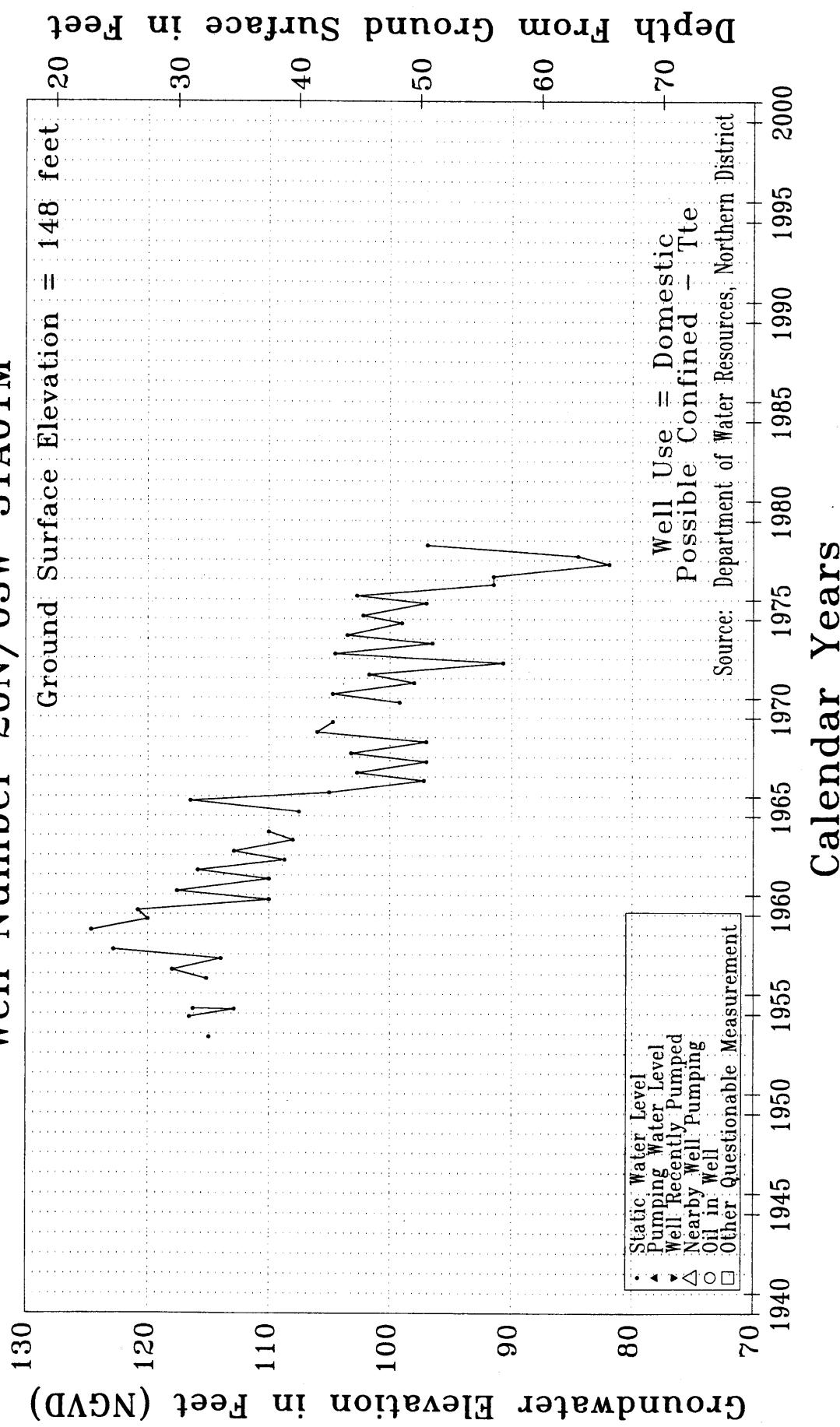
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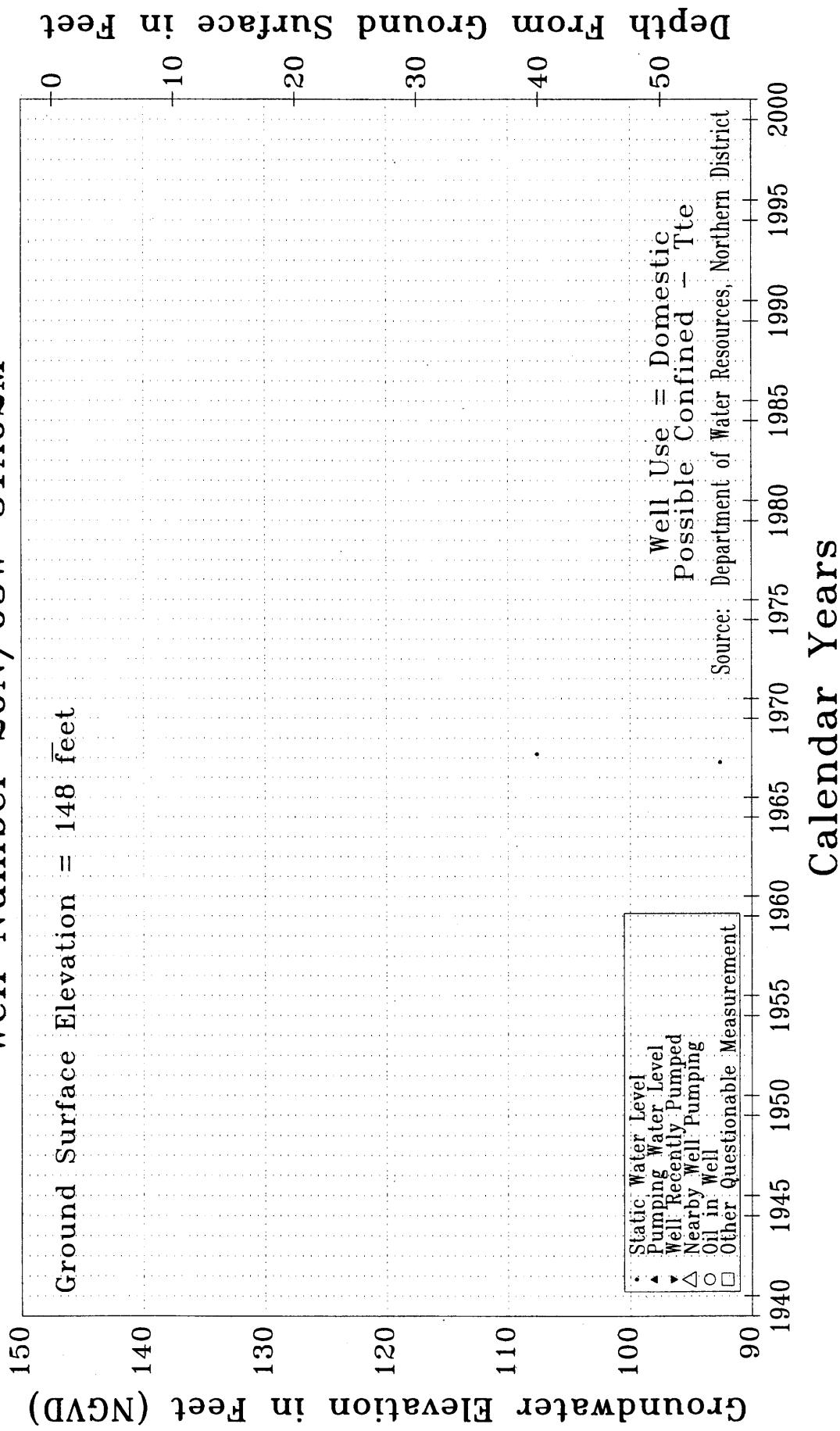
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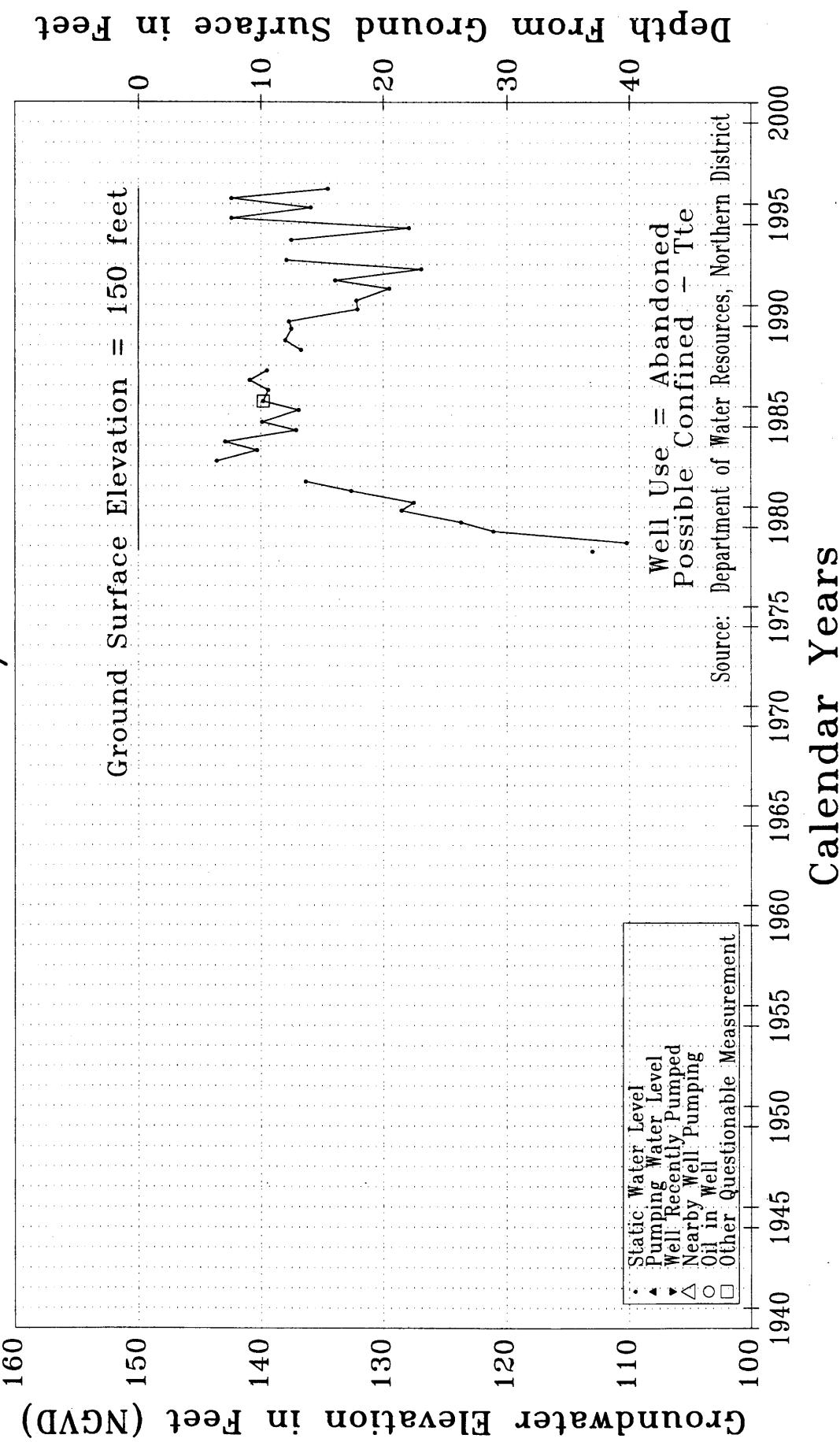
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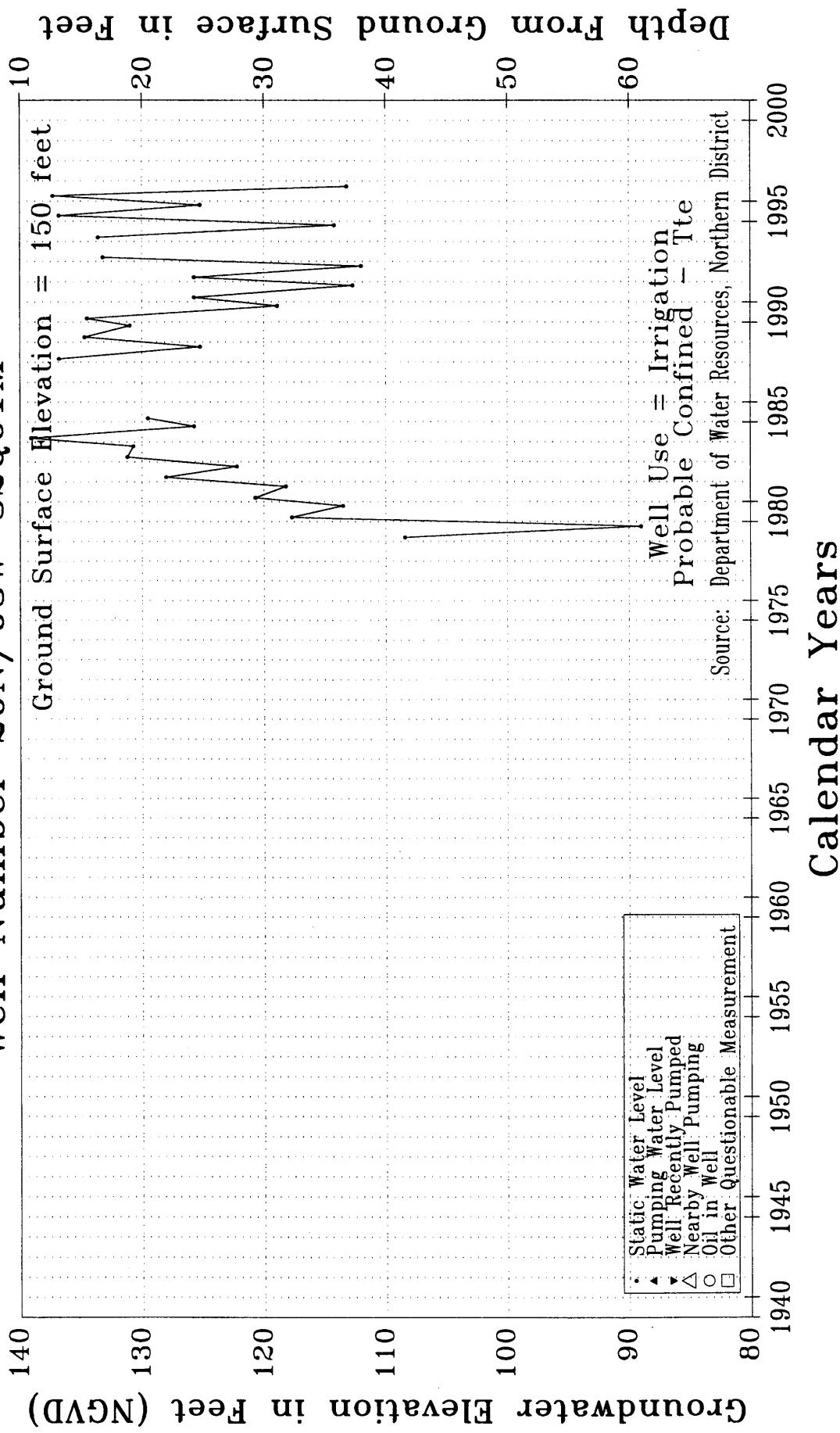
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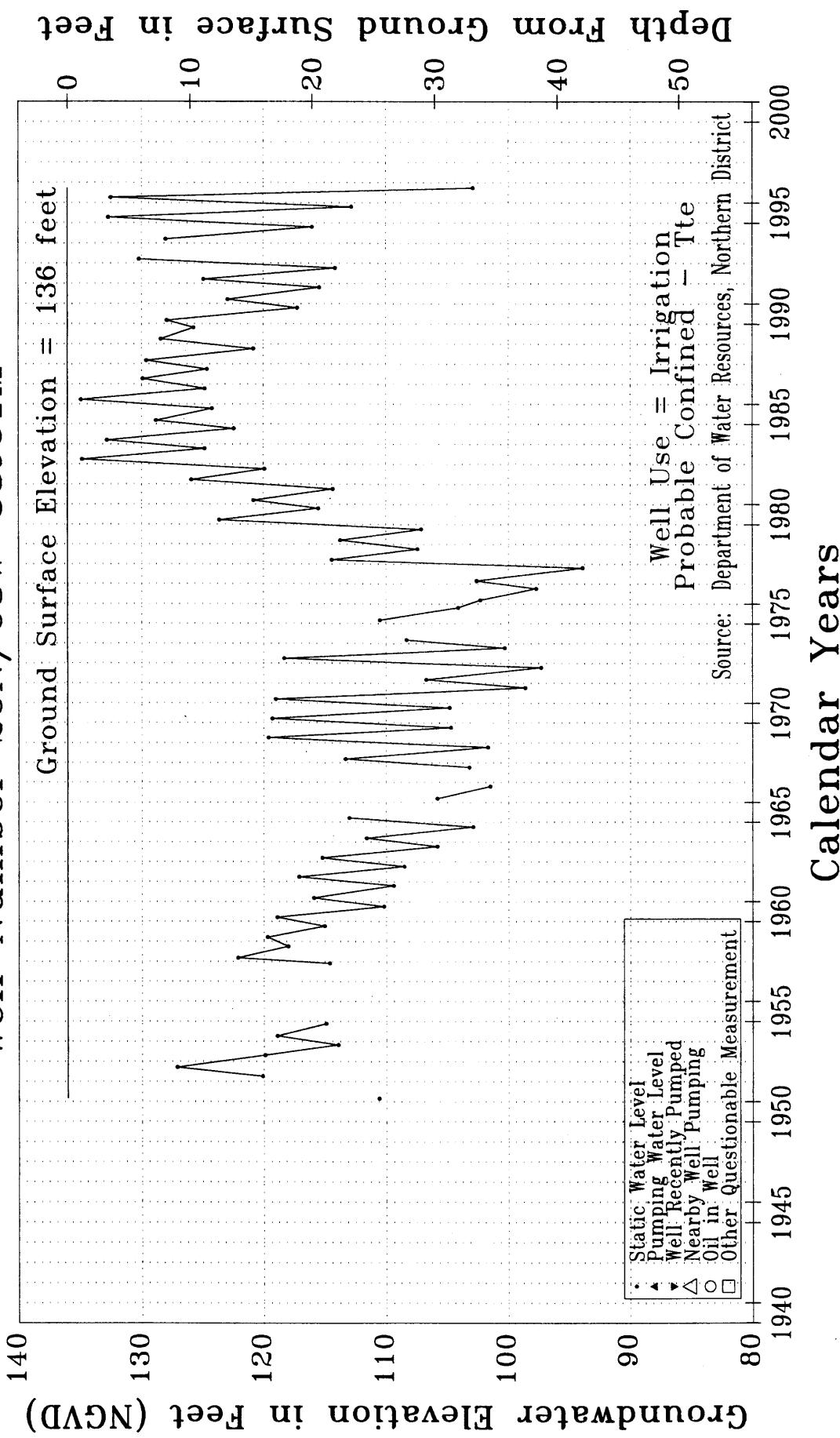
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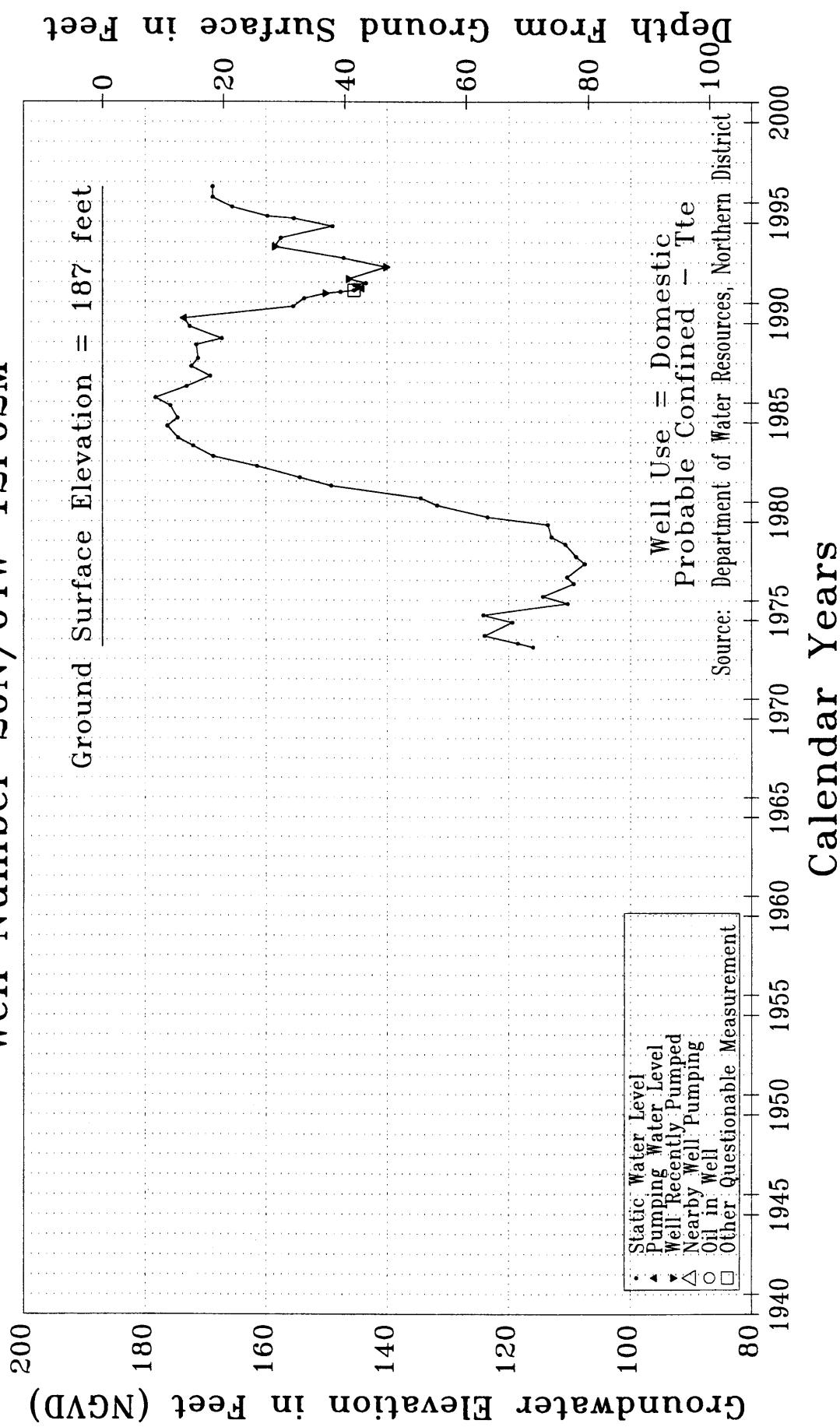
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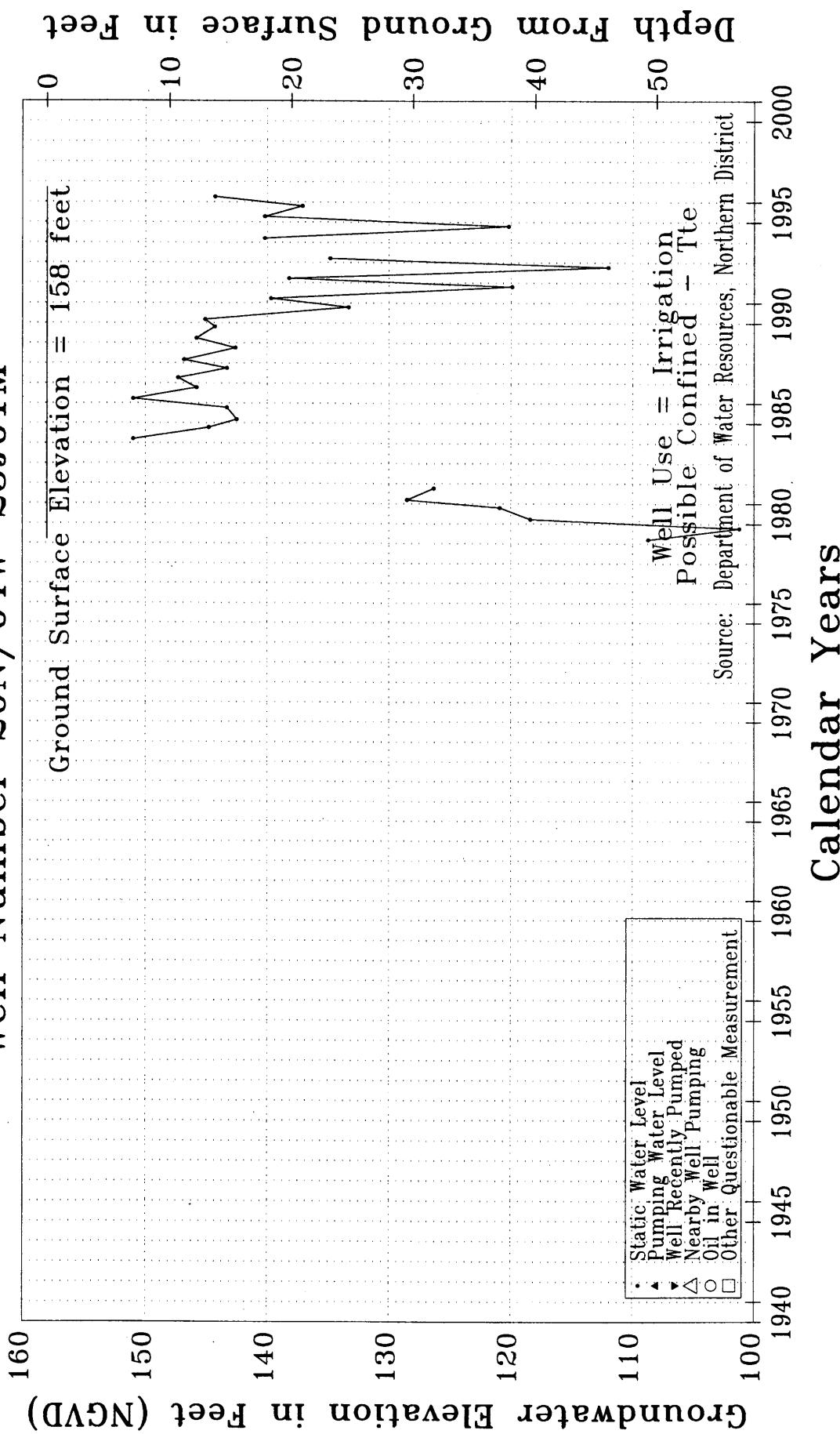
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Well Number 20N/03W–33J01M



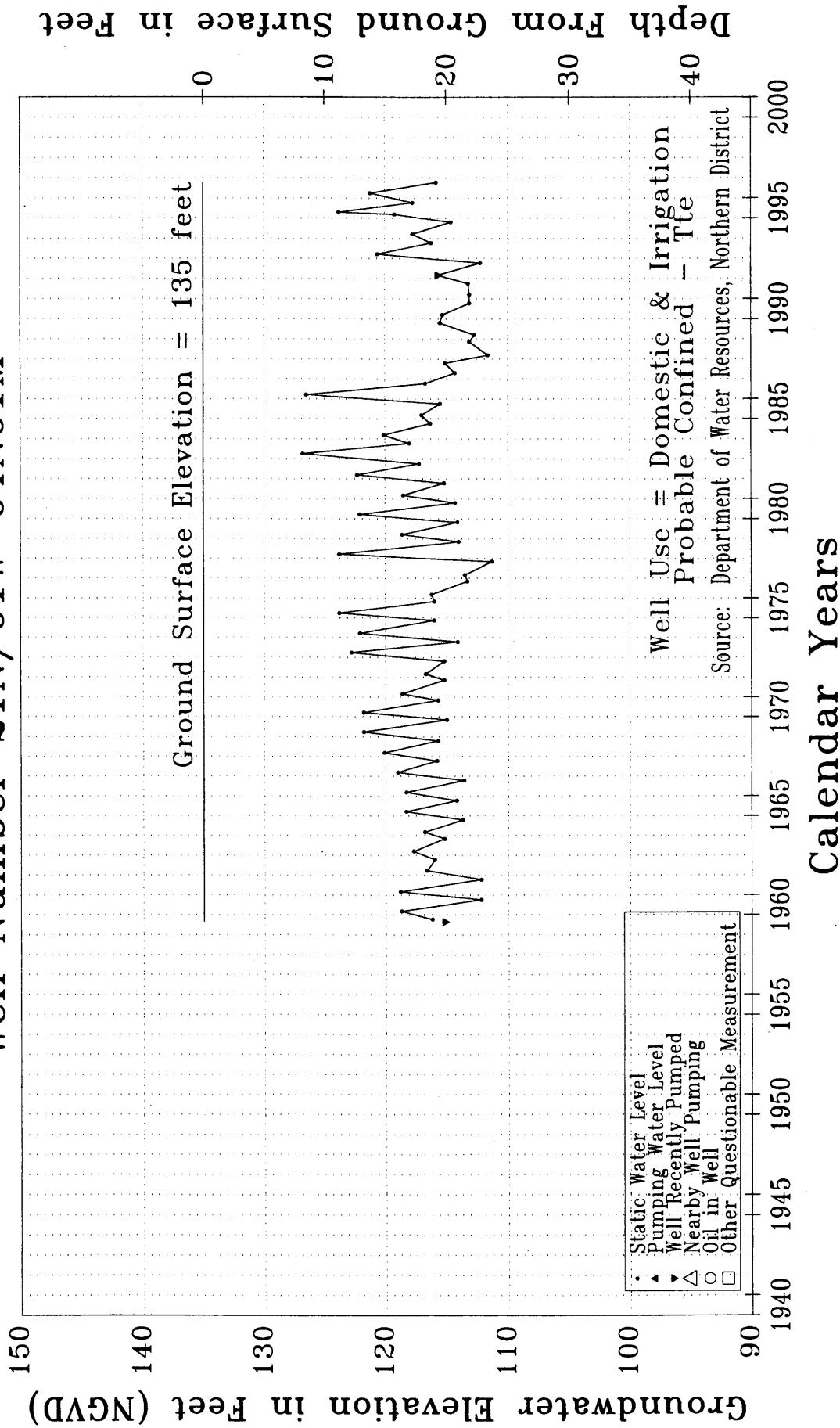
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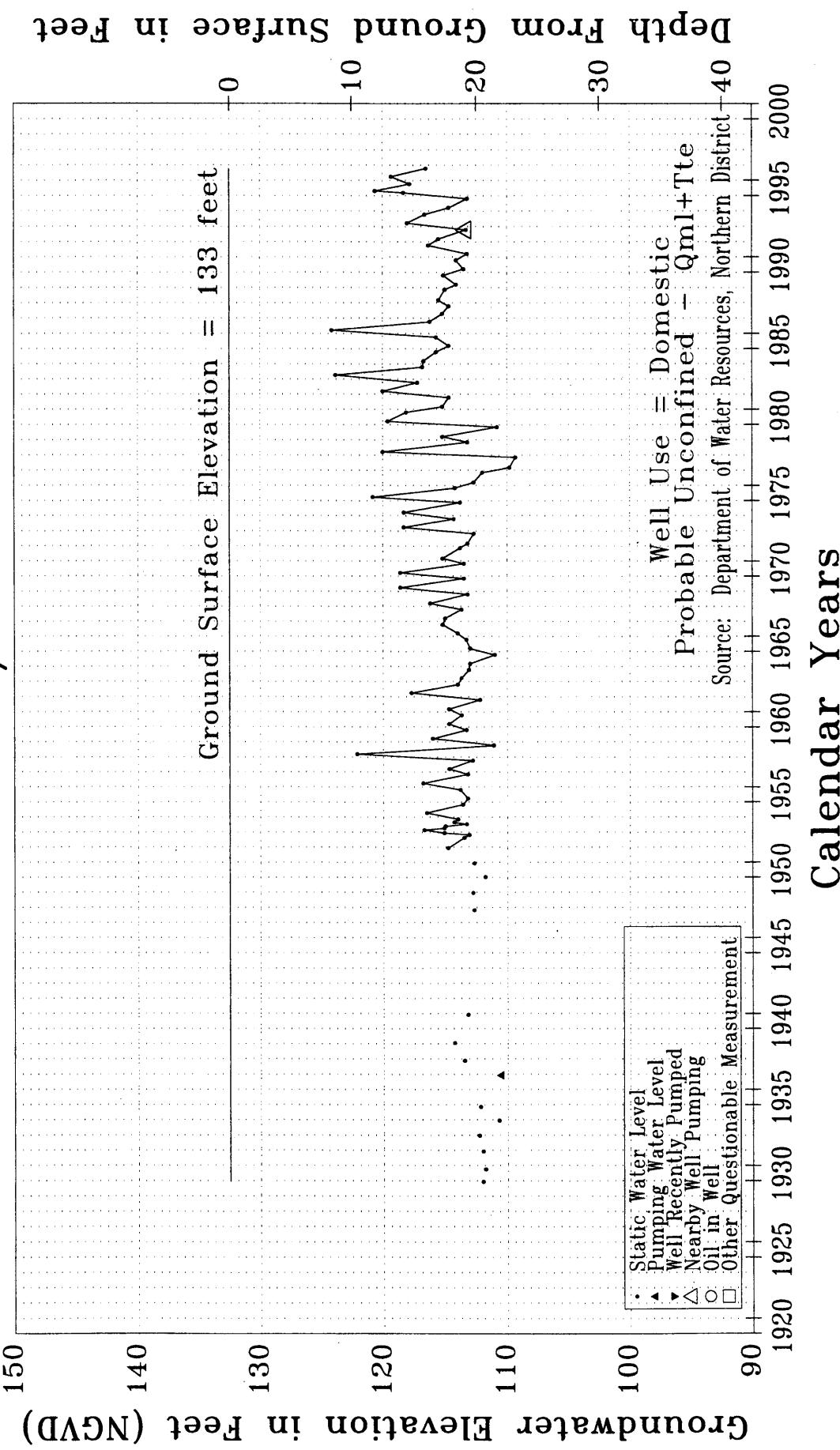
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Well Number 20N/04W–25J01M



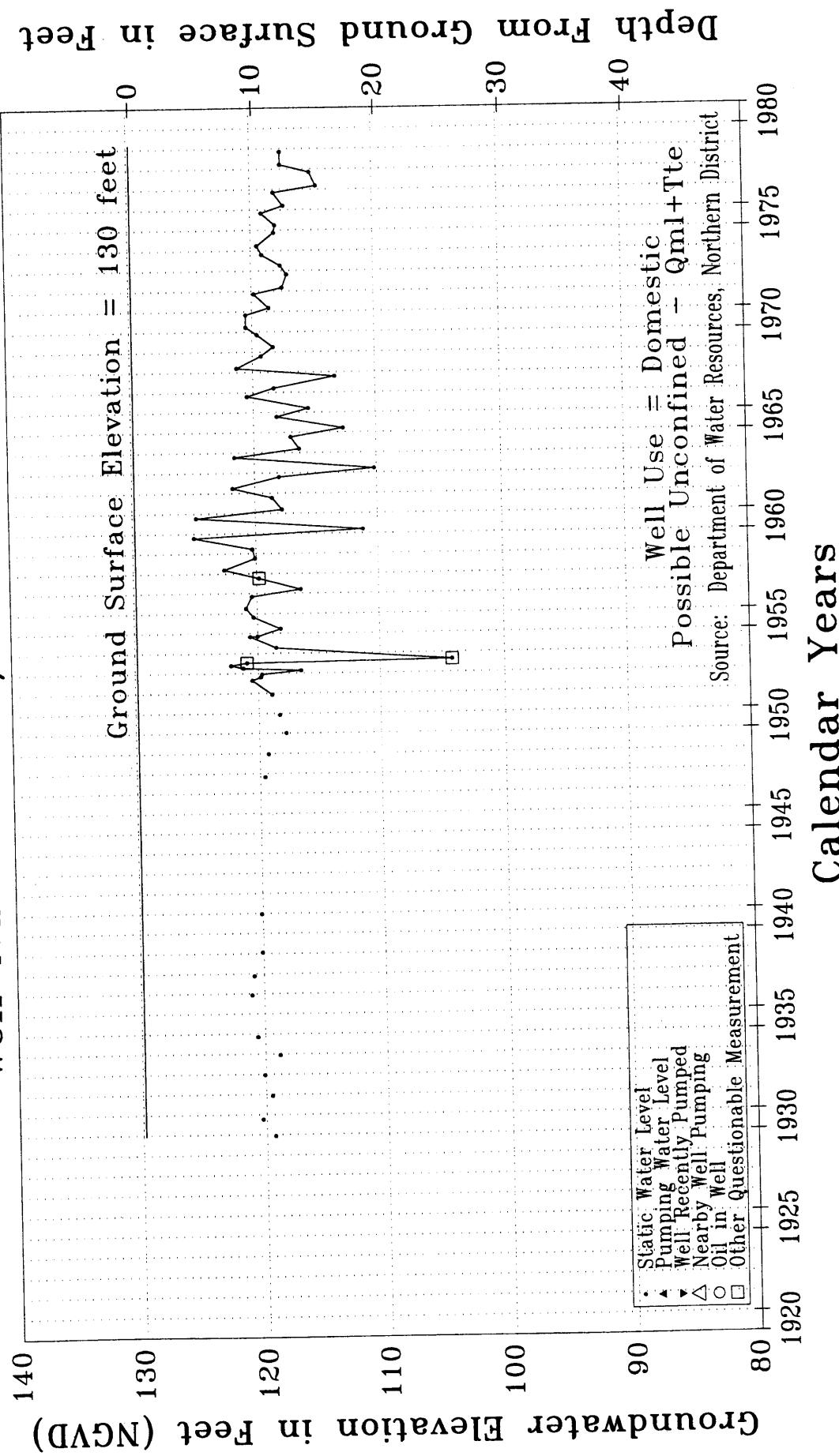
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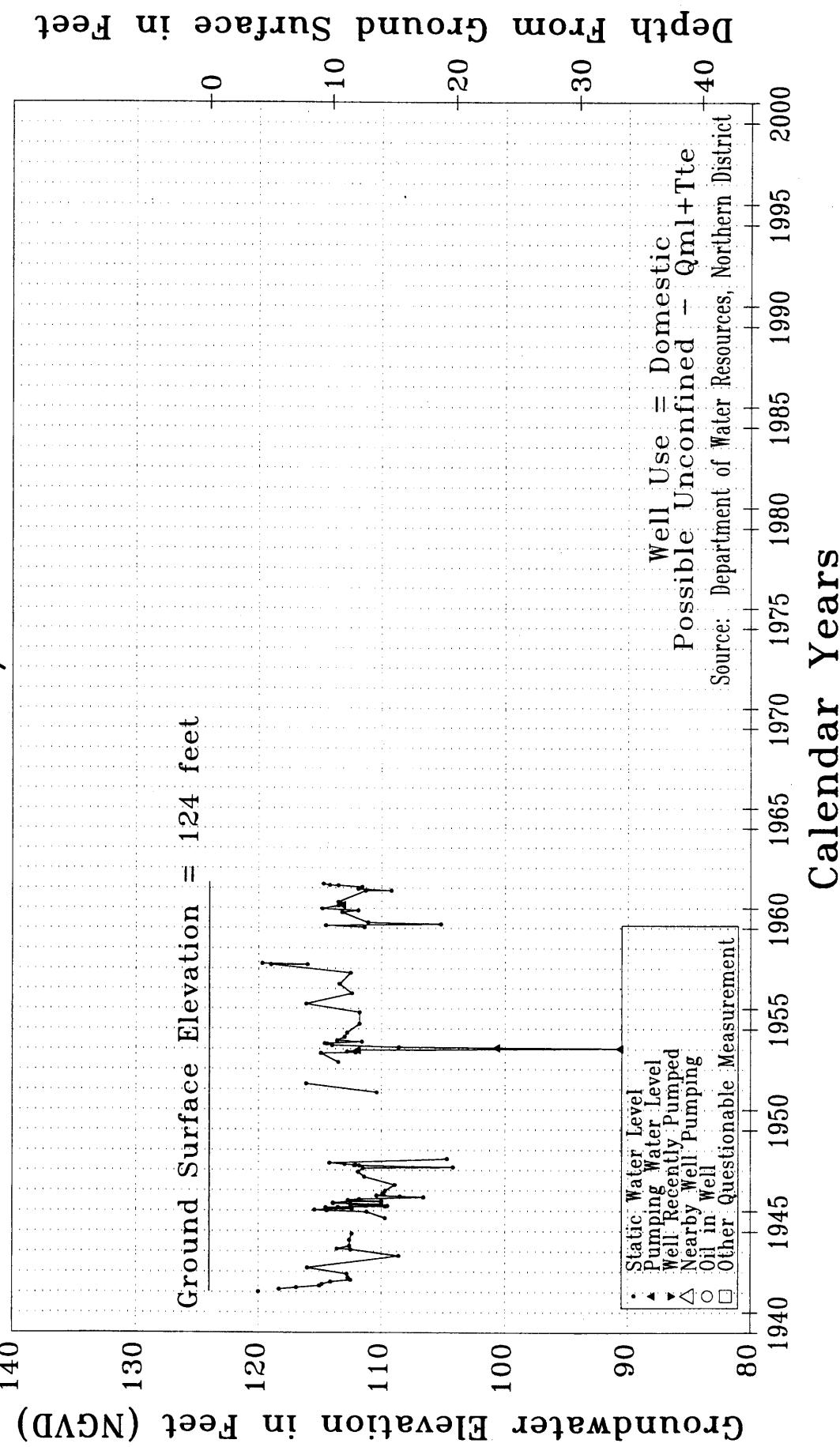
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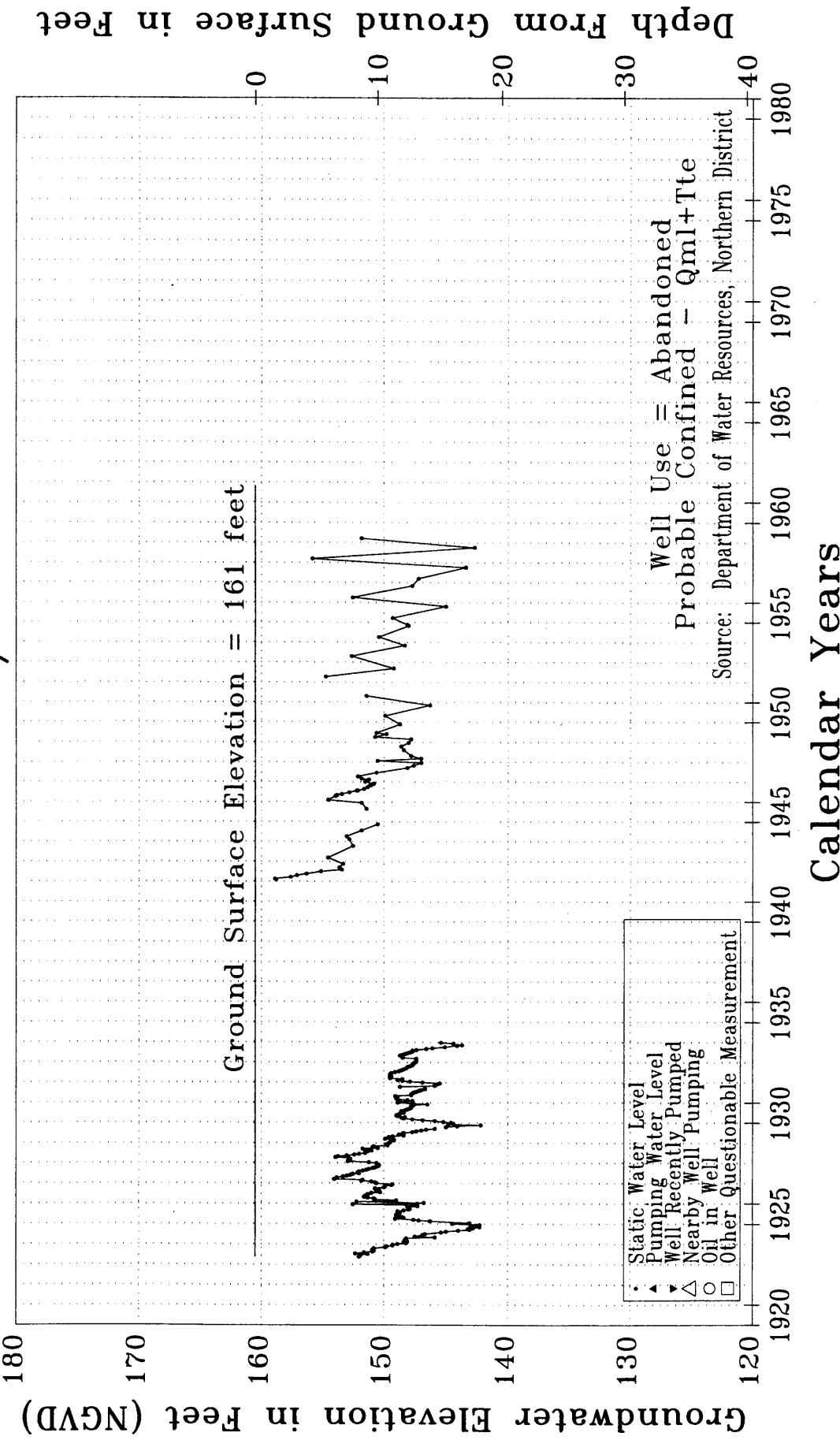
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Well Number 21N/01W–31E01M



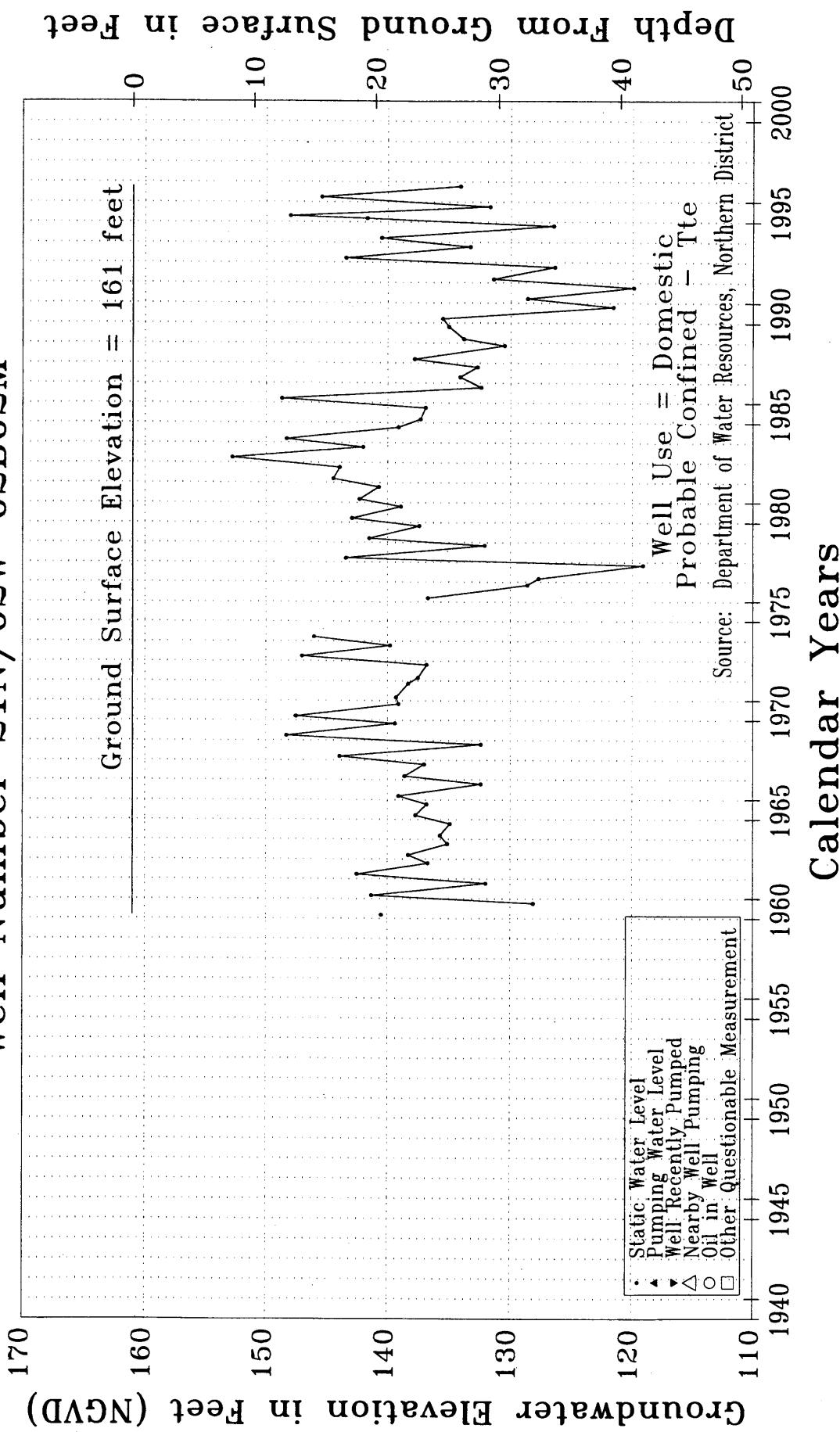
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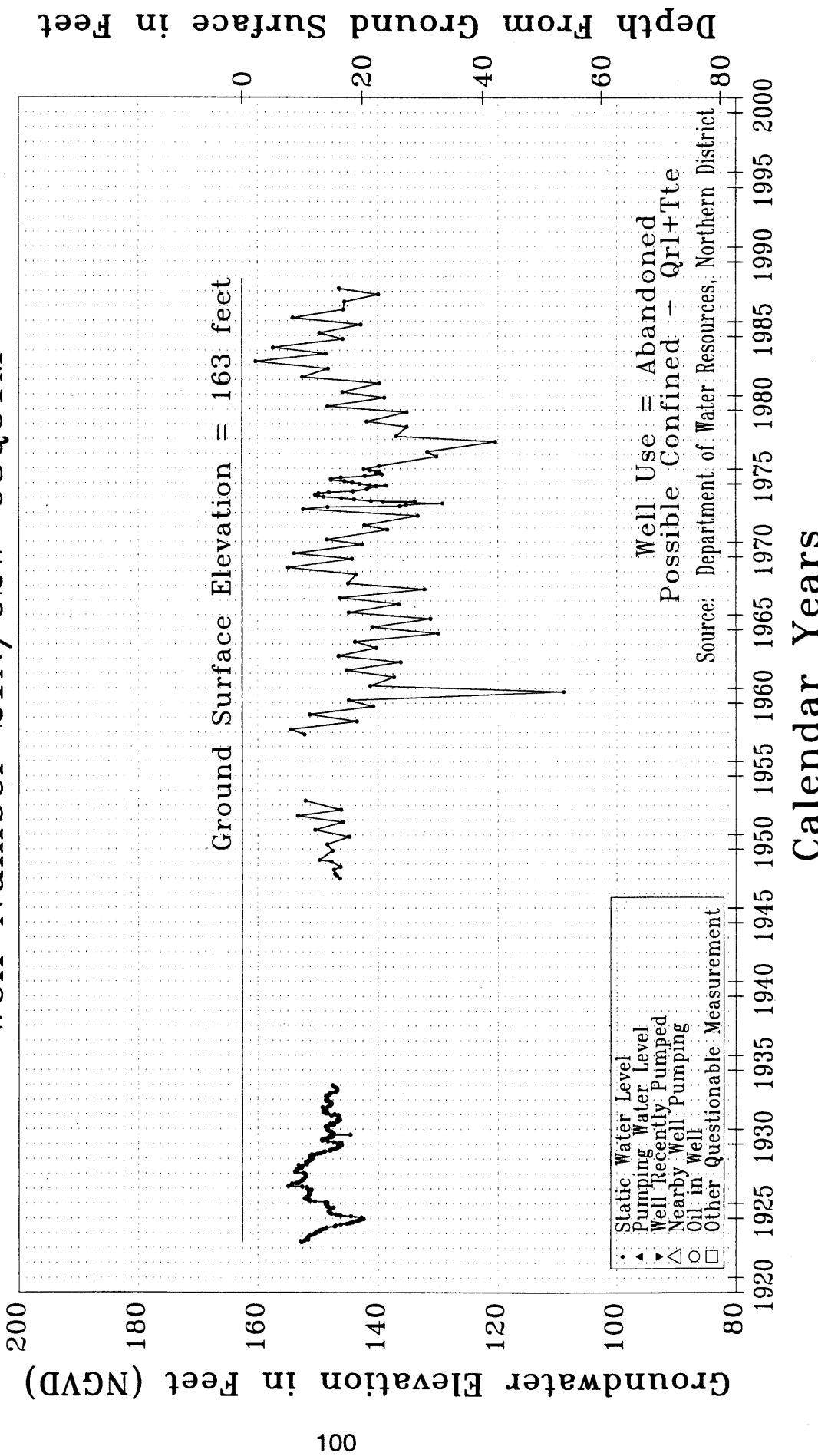
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Well Number 21N/02W–02B01M



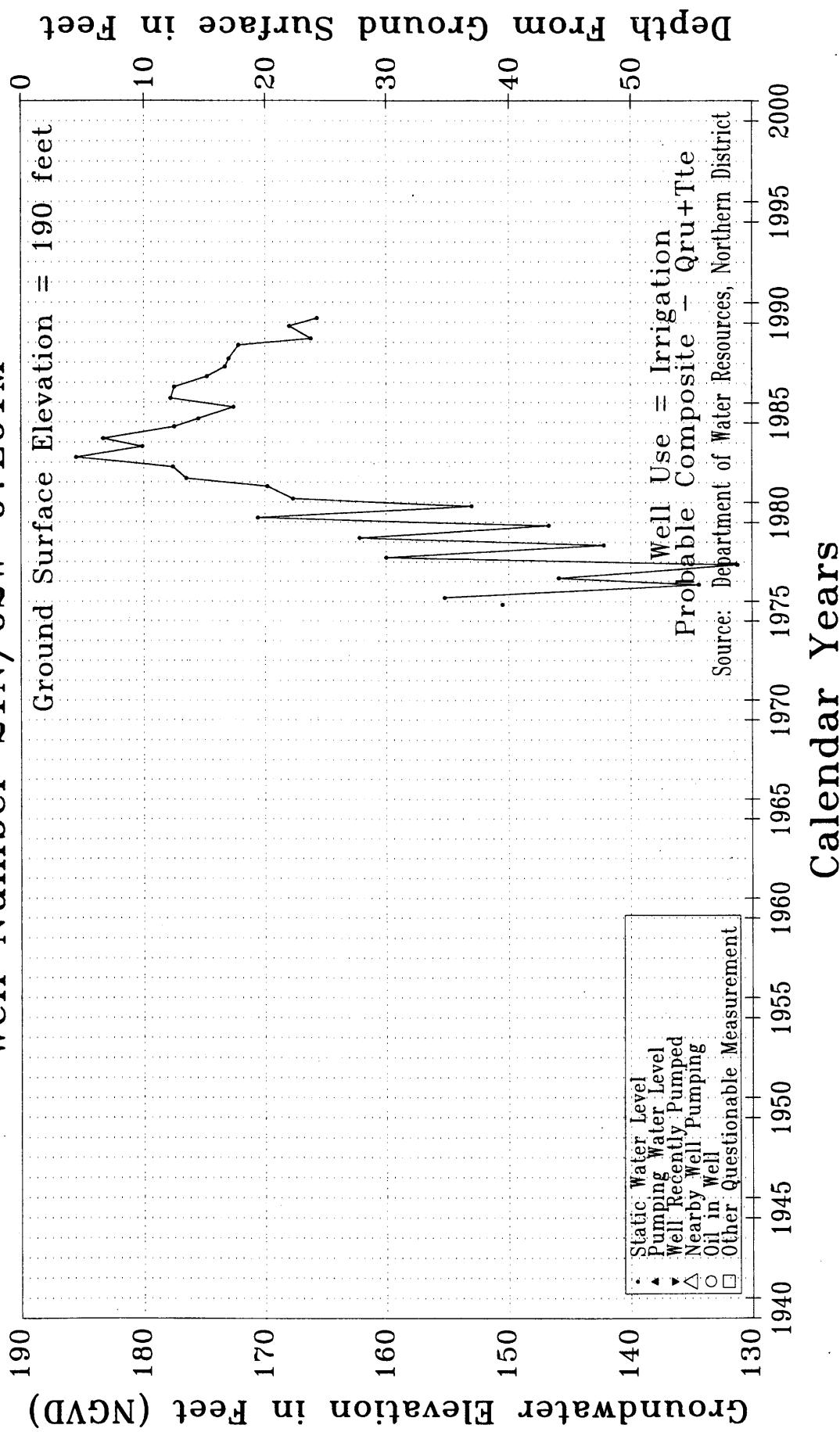
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Well Number 21N/02W-02B02M



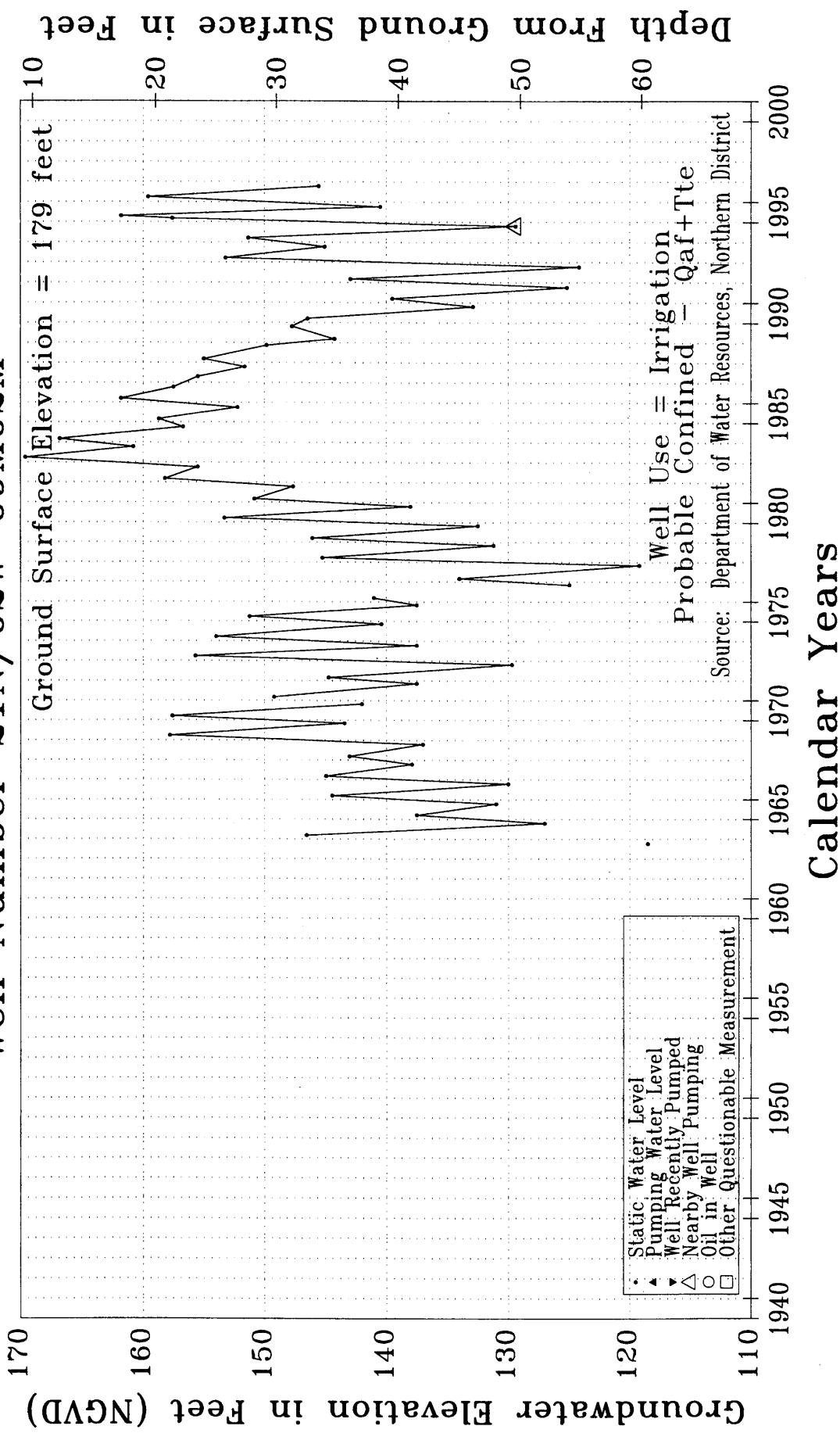
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Well Number 21N/02W–03Q01M



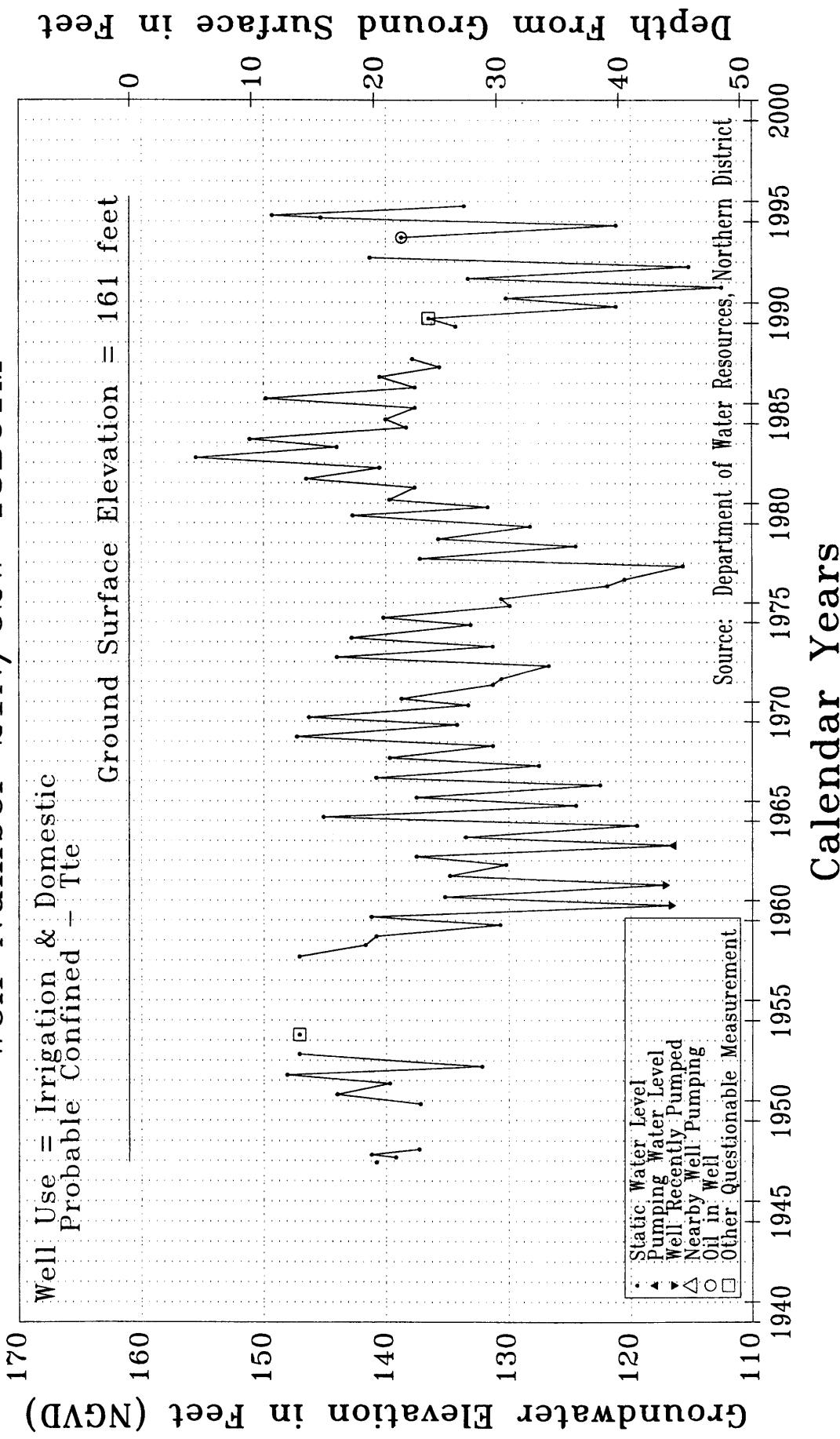
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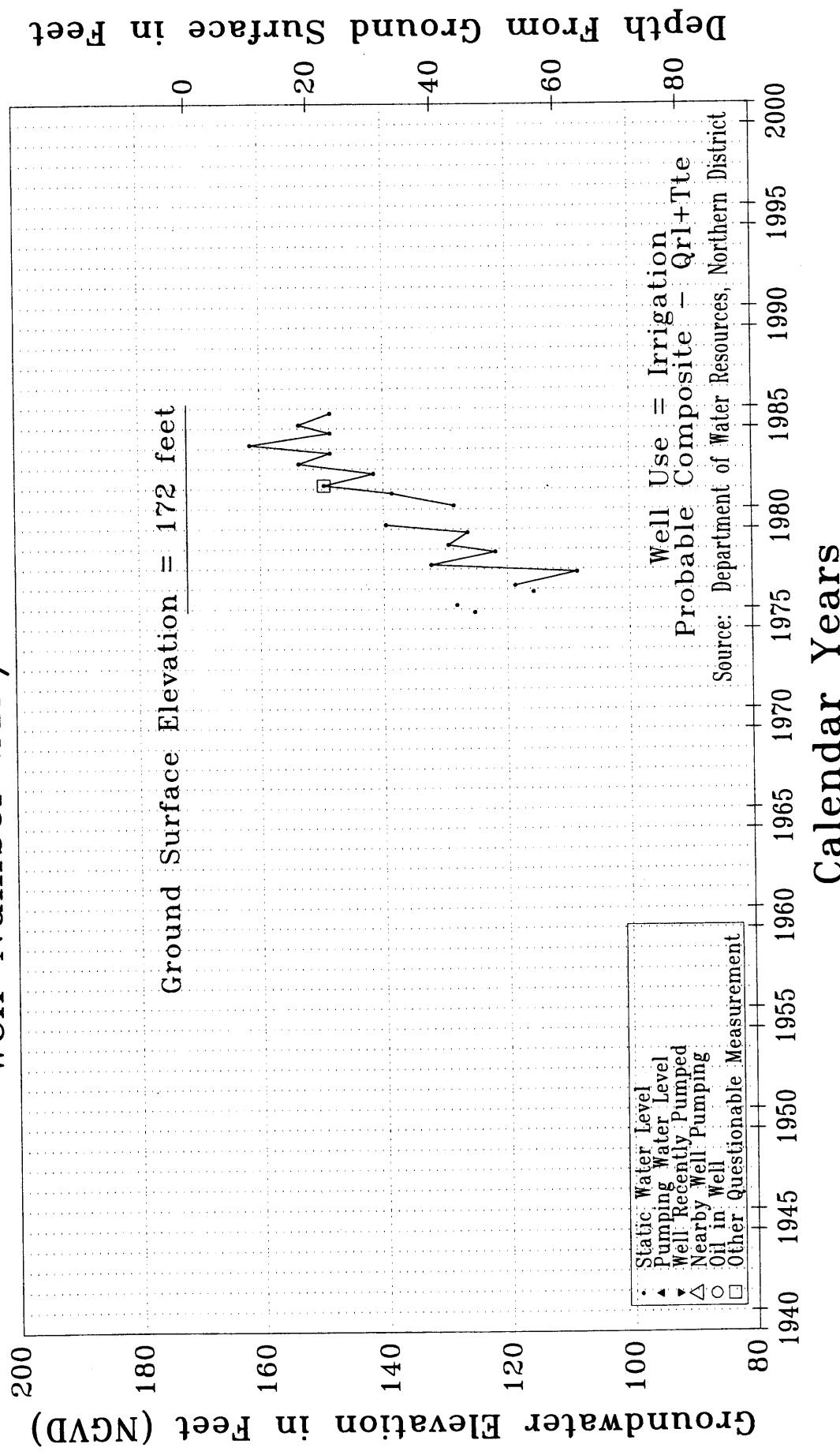
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Well Number 21N/02W–09M02M



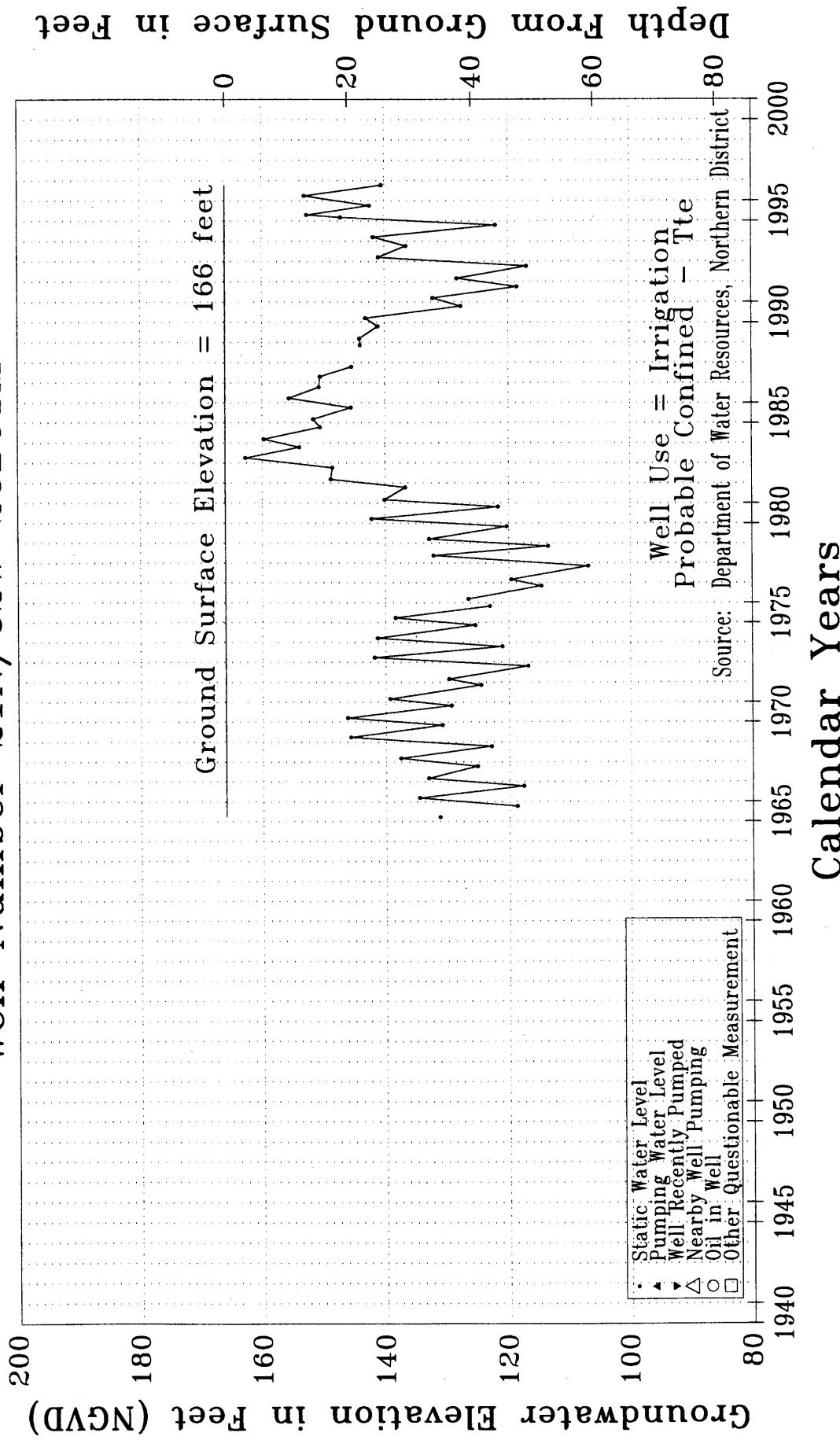
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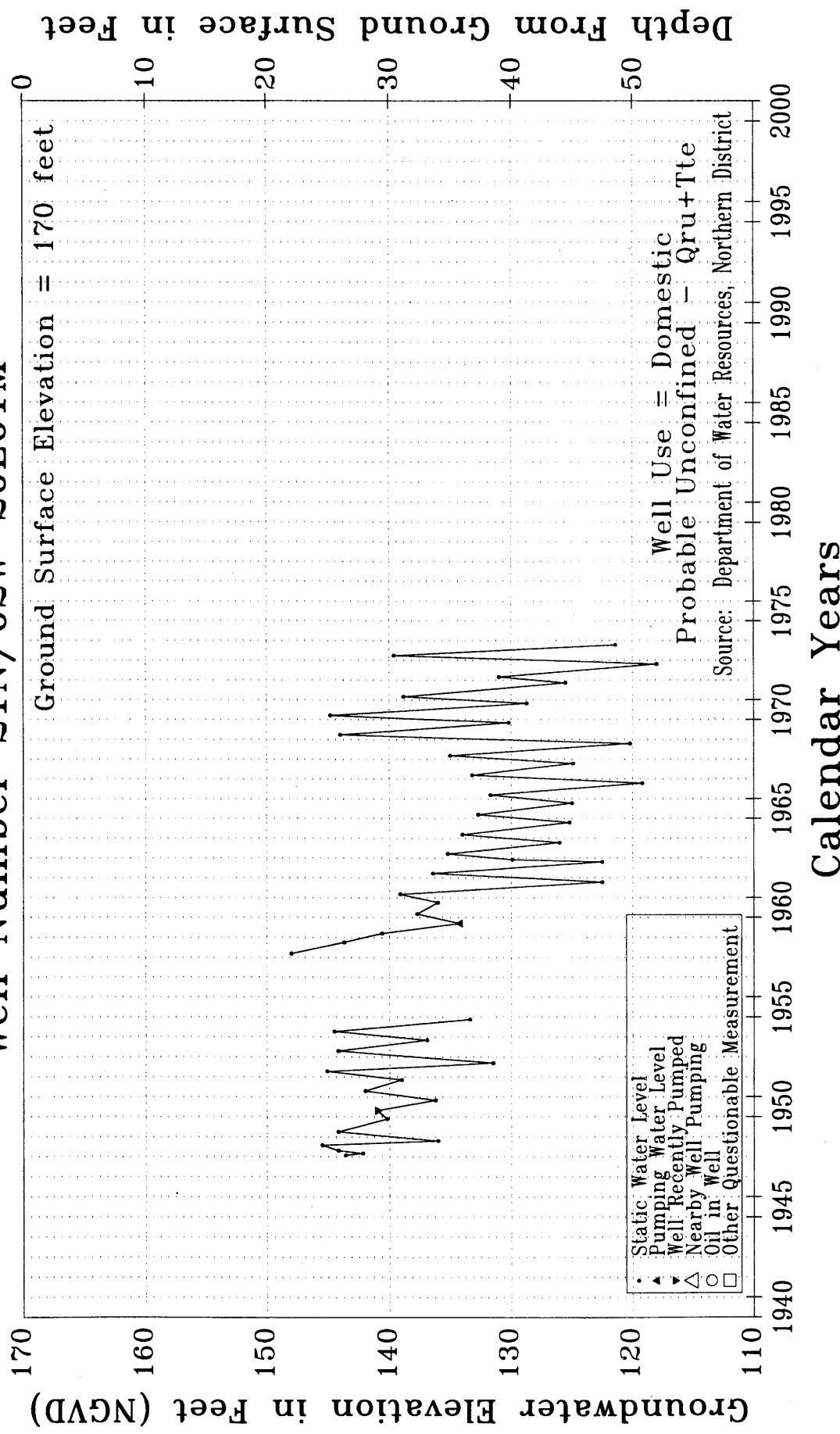
Sacramento Valley Groundwater Basin – Glenn County  
Well Number 21N/02W-19N01M



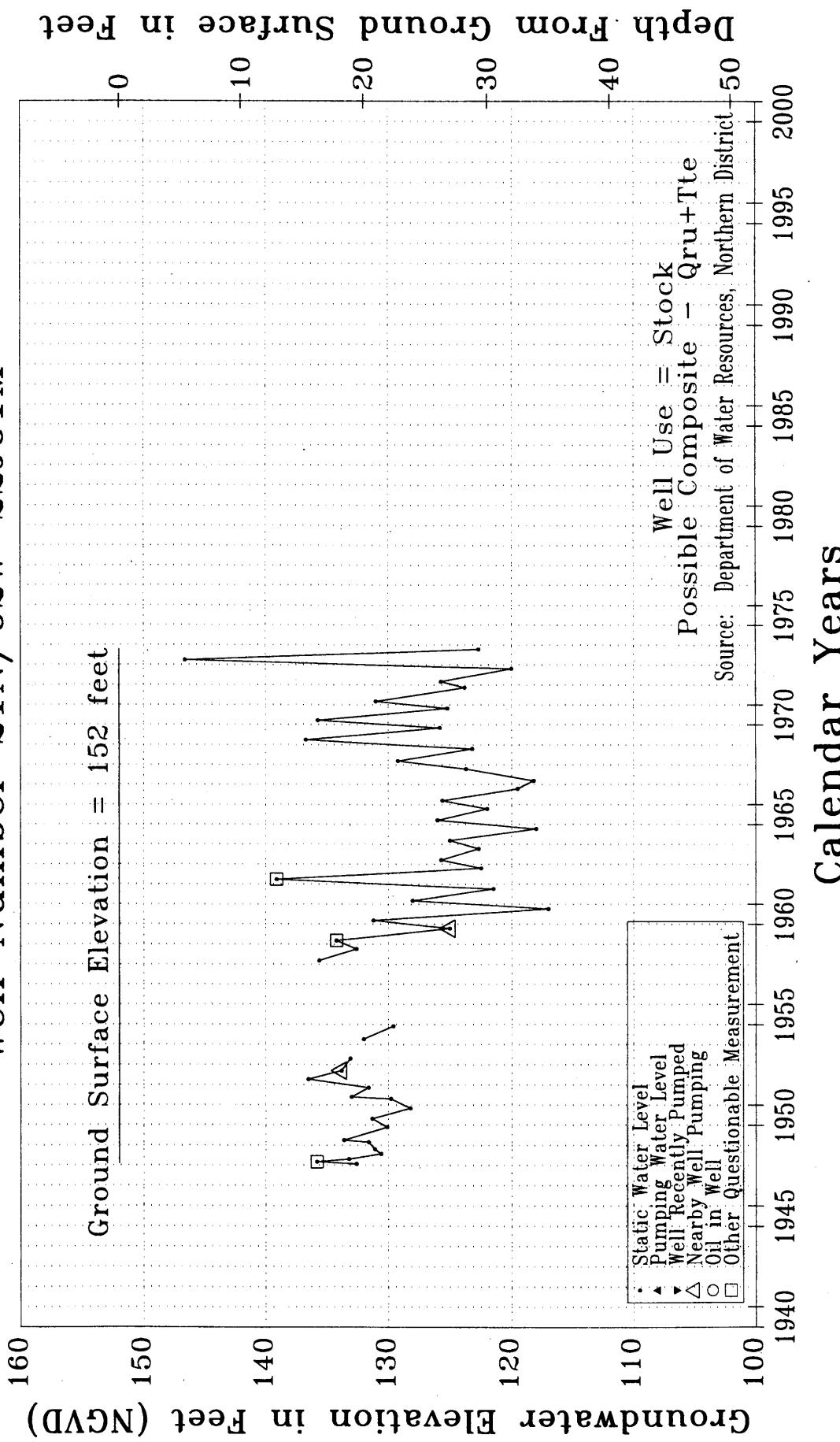
Sacramento Valley Groundwater Basin – Glenn County  
Well Number 21N/02W–20B01M



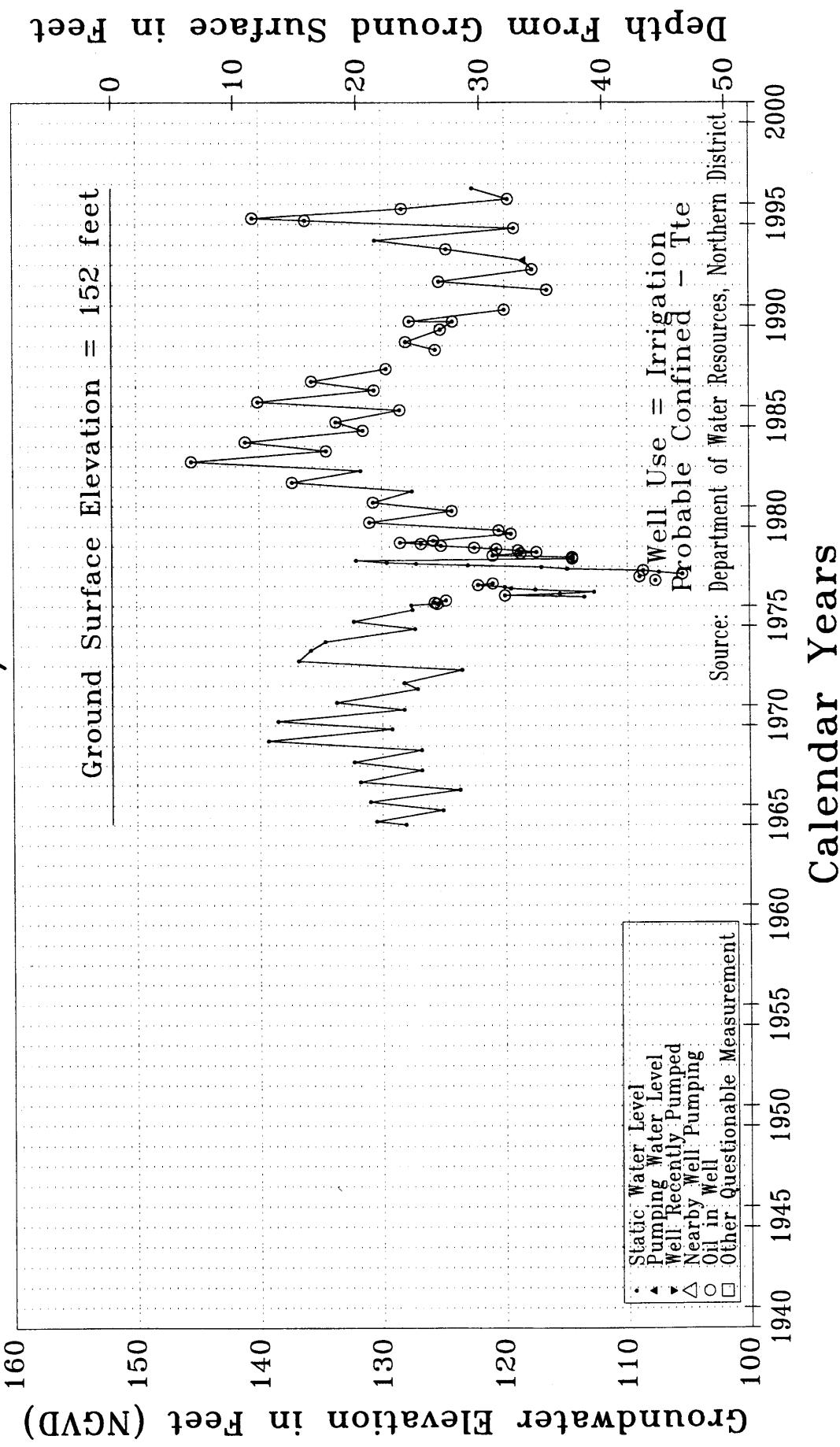
**Sacramento Valley Groundwater Basin – Glenn County  
Well Number 21N/02W–20E01M**



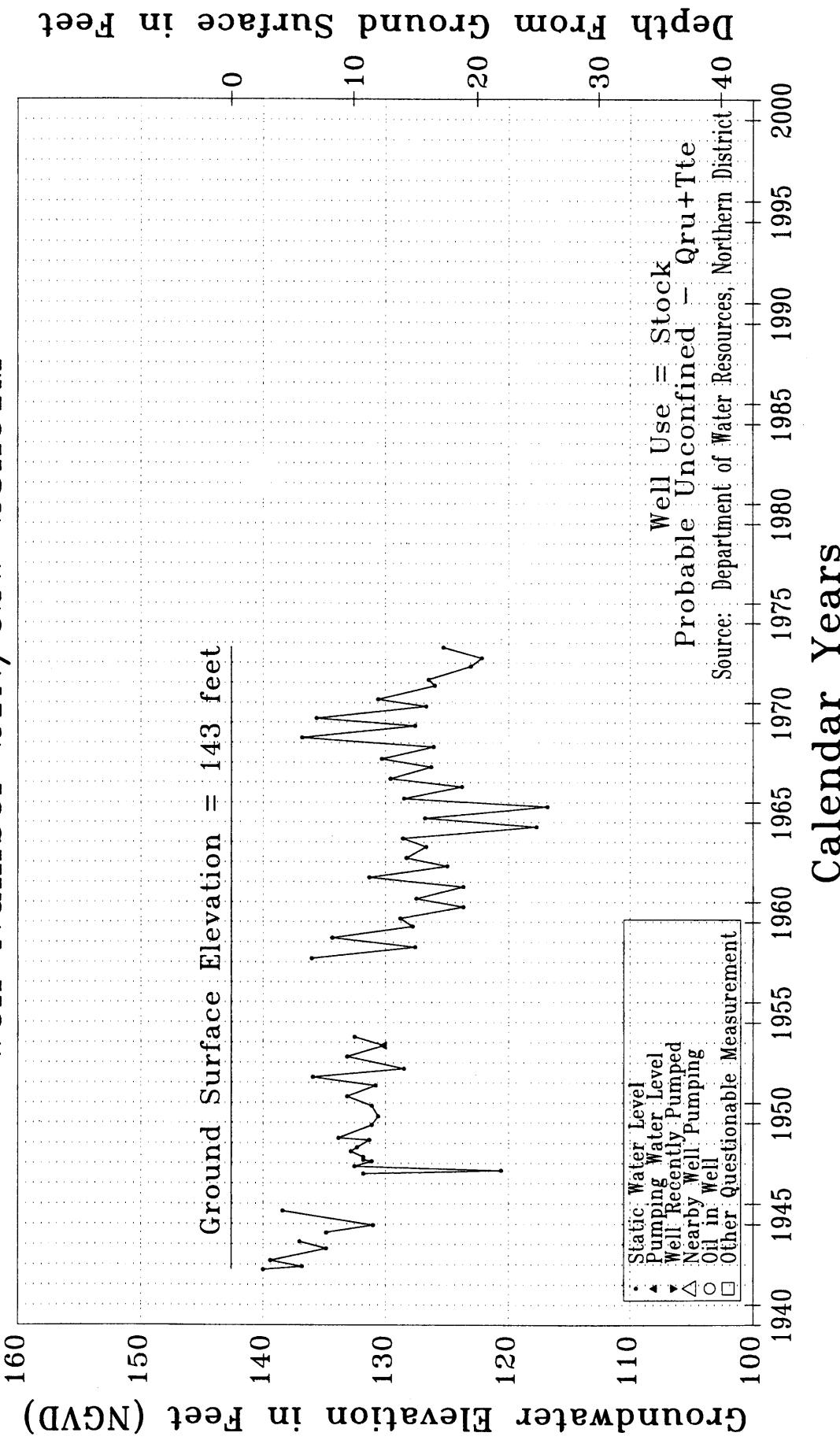
Sacramento Valley Groundwater Basin - Glenn County  
Well Number 21N/02W-22J01M



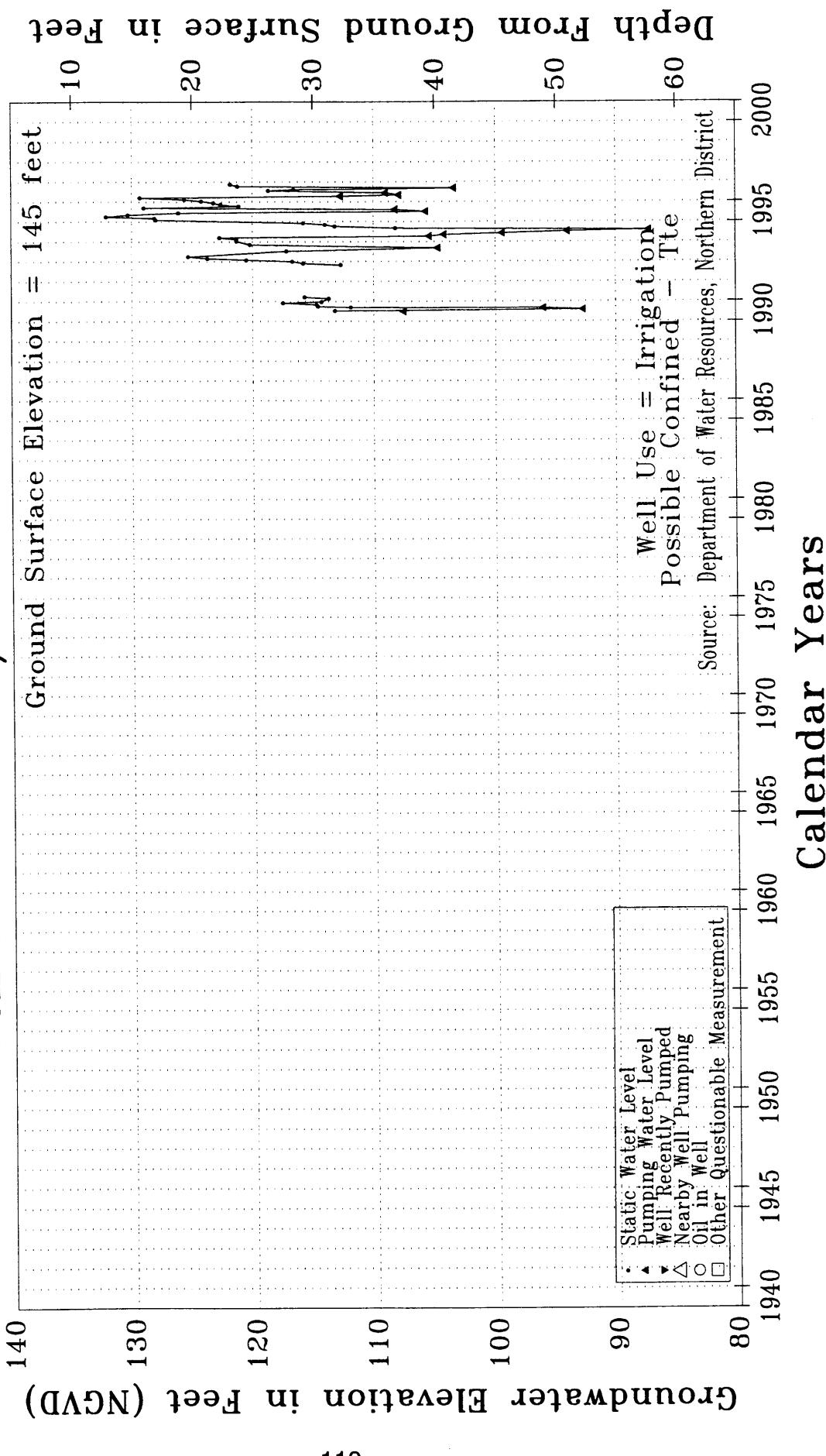
Sacramento Valley Groundwater Basin – Glenn County  
Well Number 21N/02W-23G01M



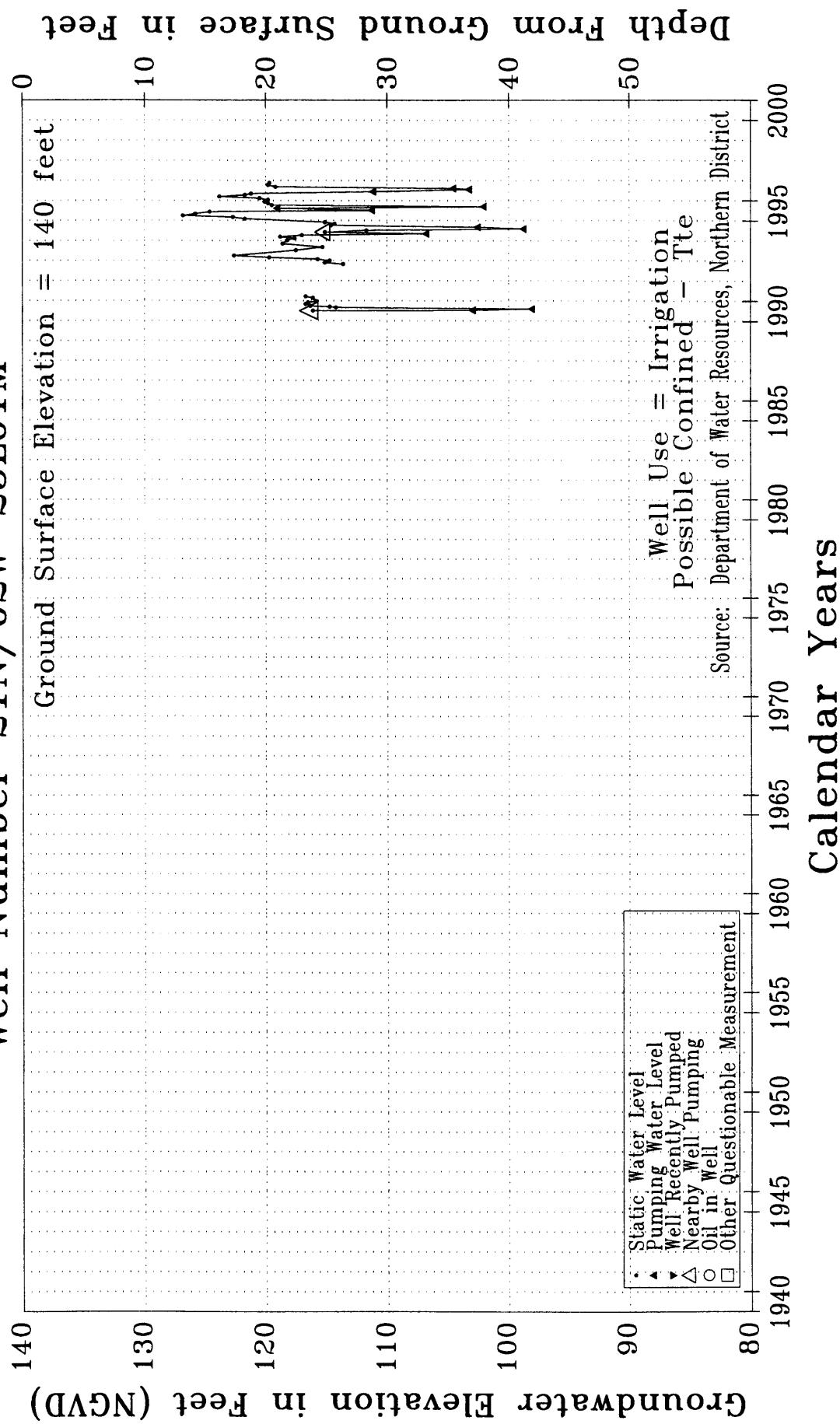
Sacramento Valley Groundwater Basin – Glenn County  
Well Number 21N/02W–23H01M



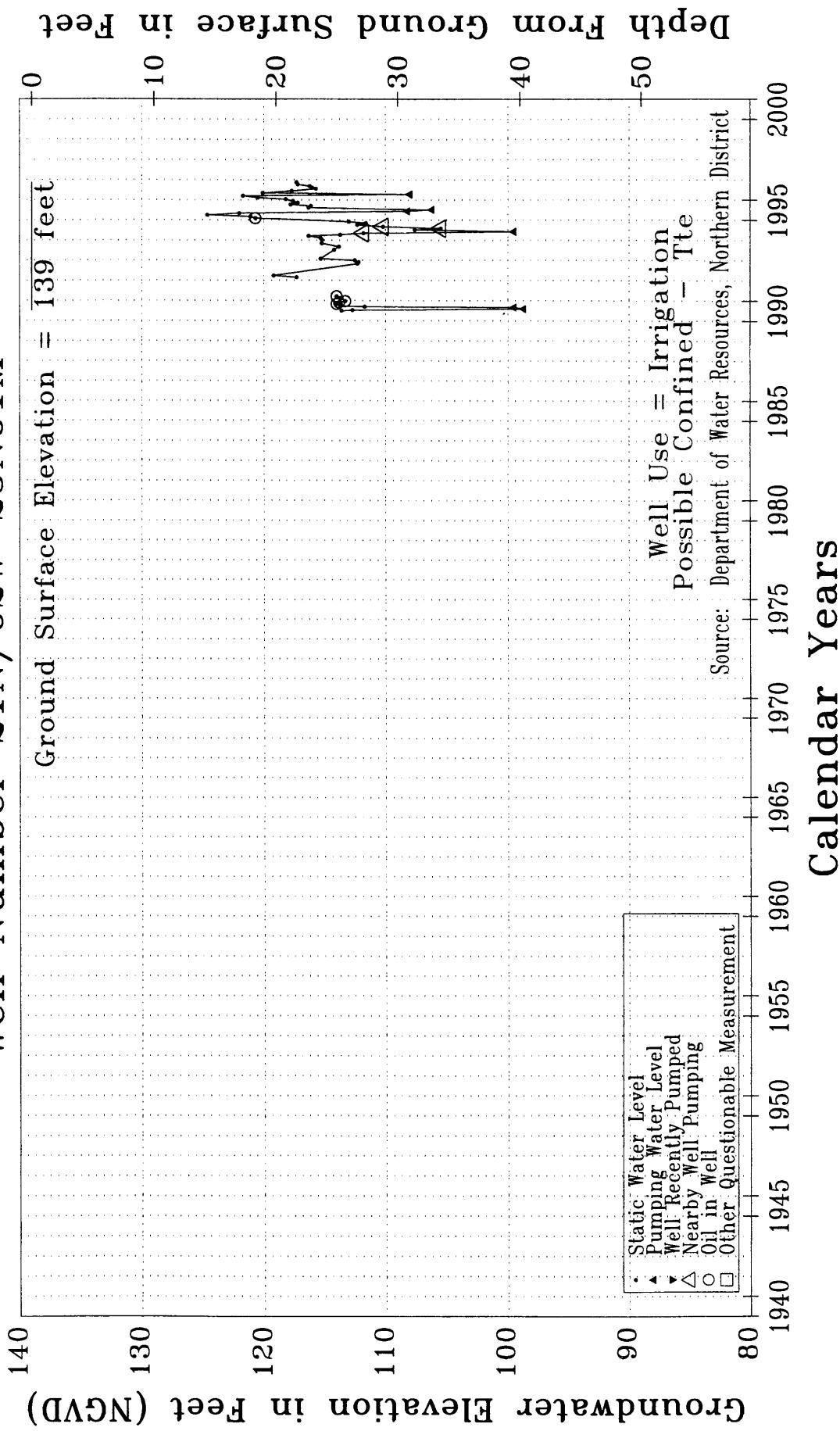
**Sacramento Valley Groundwater Basin – Glenn County**  
**Well Number 21N/02W-24M01M**



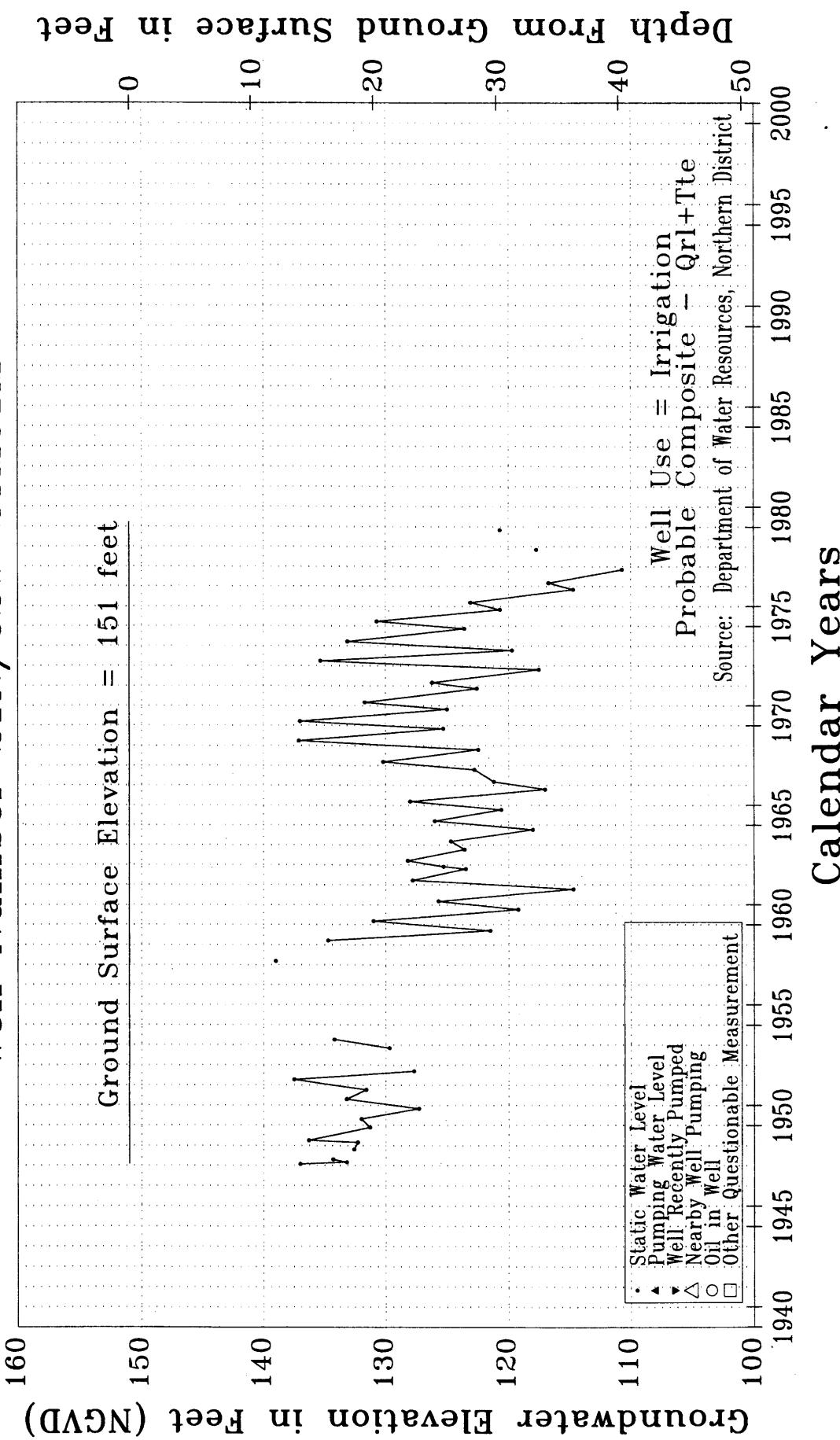
Sacramento Valley Groundwater Basin – Glenn County  
Well Number 21N/02W–25L01M



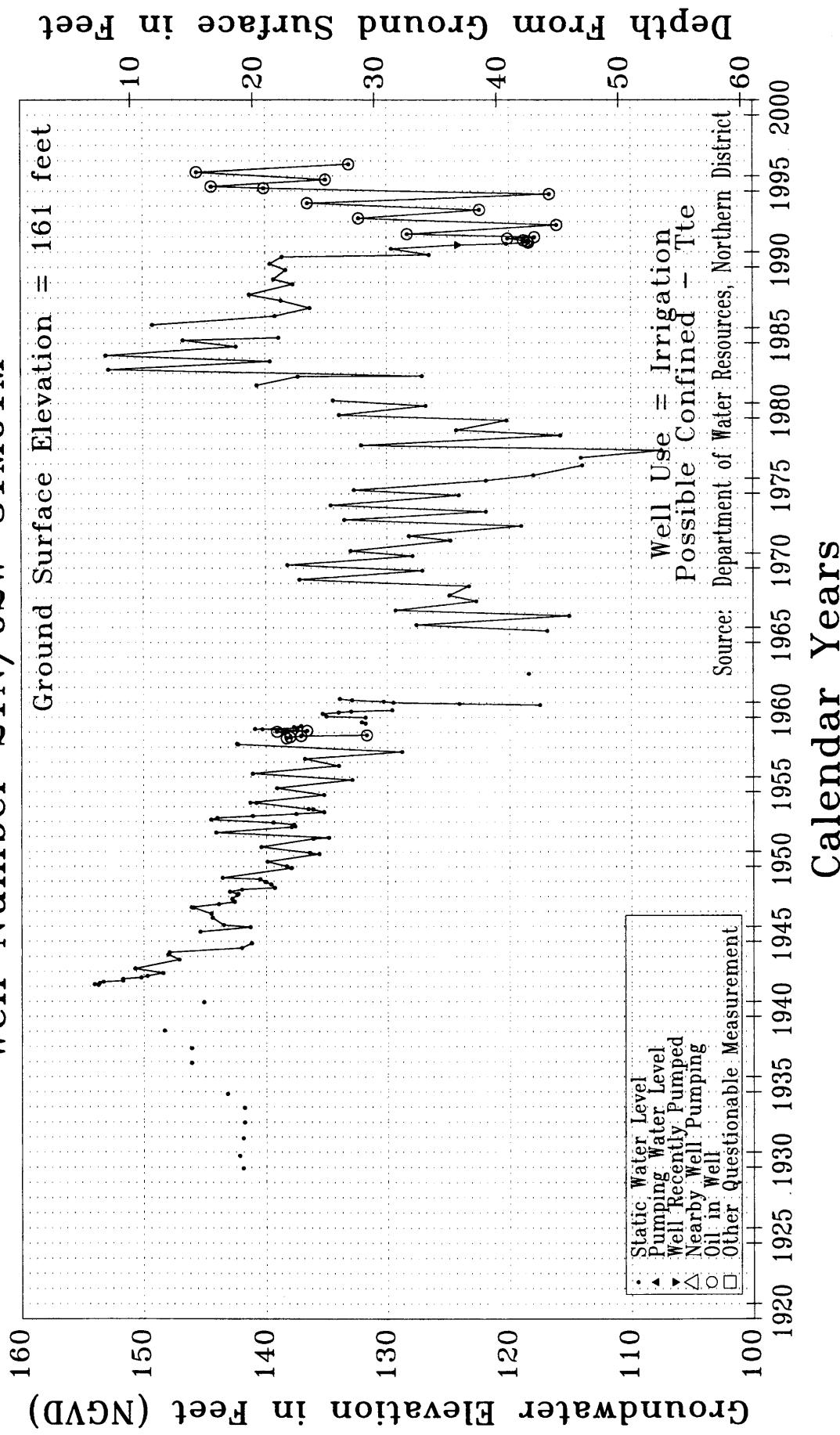
Sacramento Valley Groundwater Basin – Glenn County  
Well Number 21N/02W–25N01M



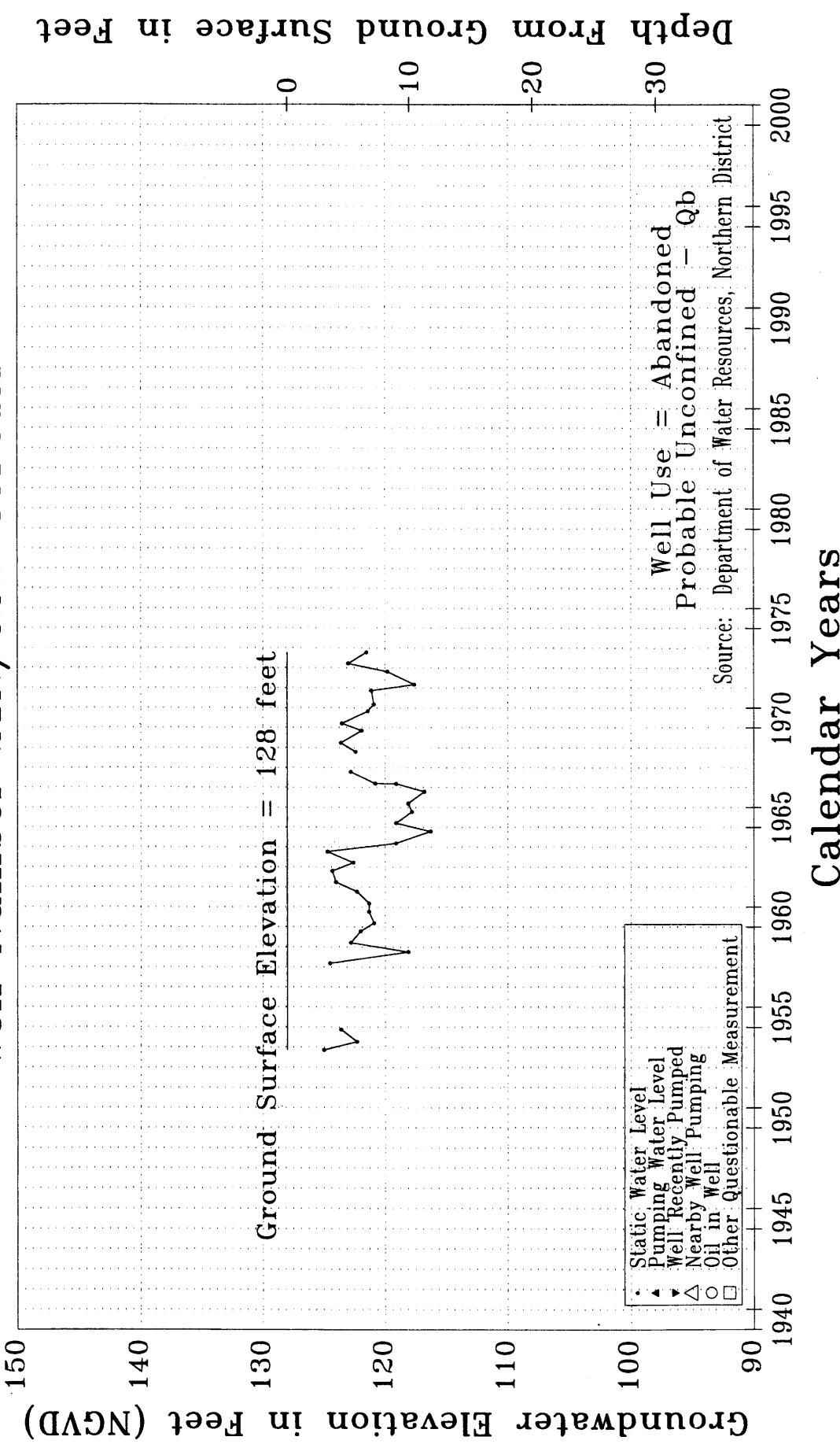
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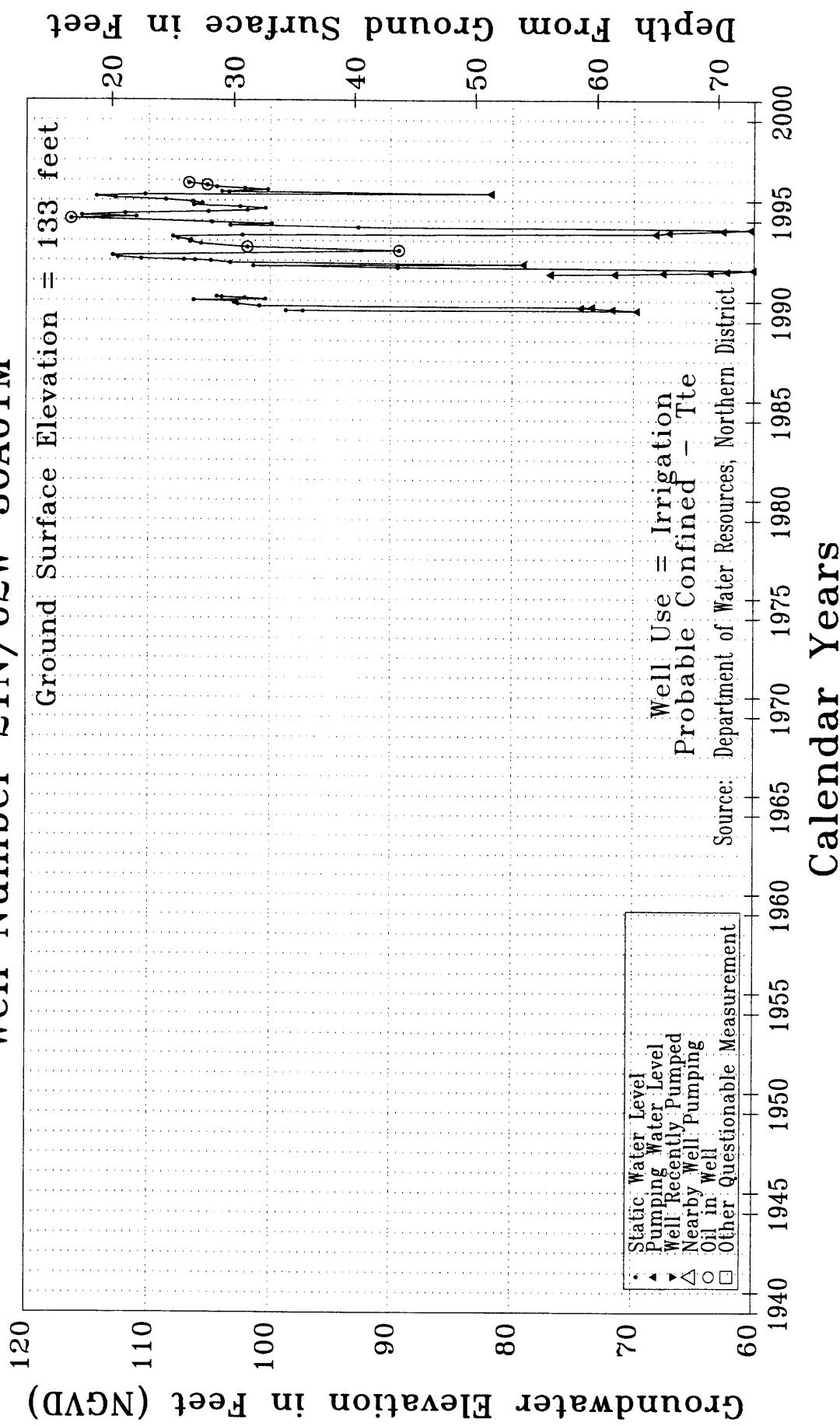
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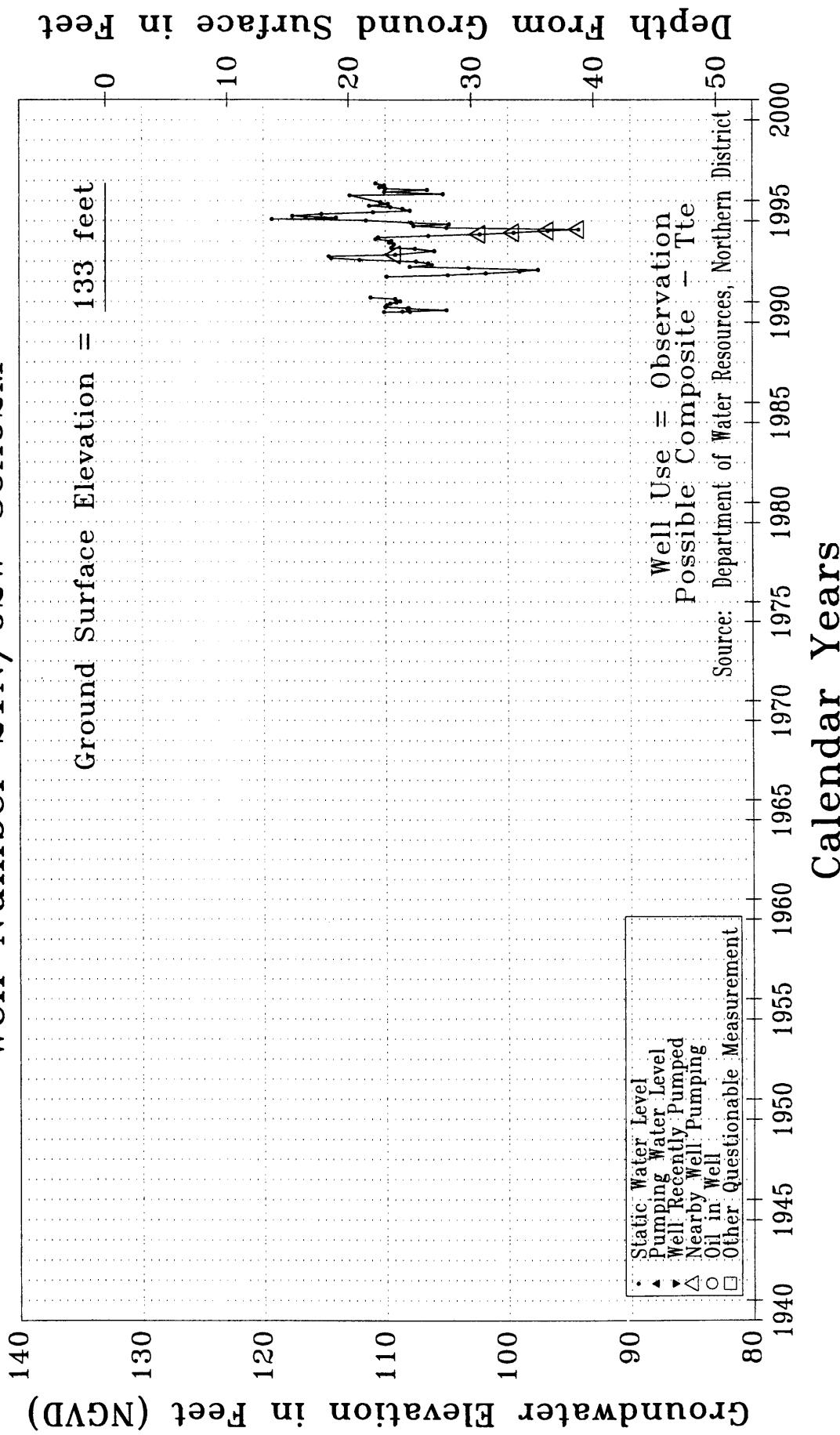
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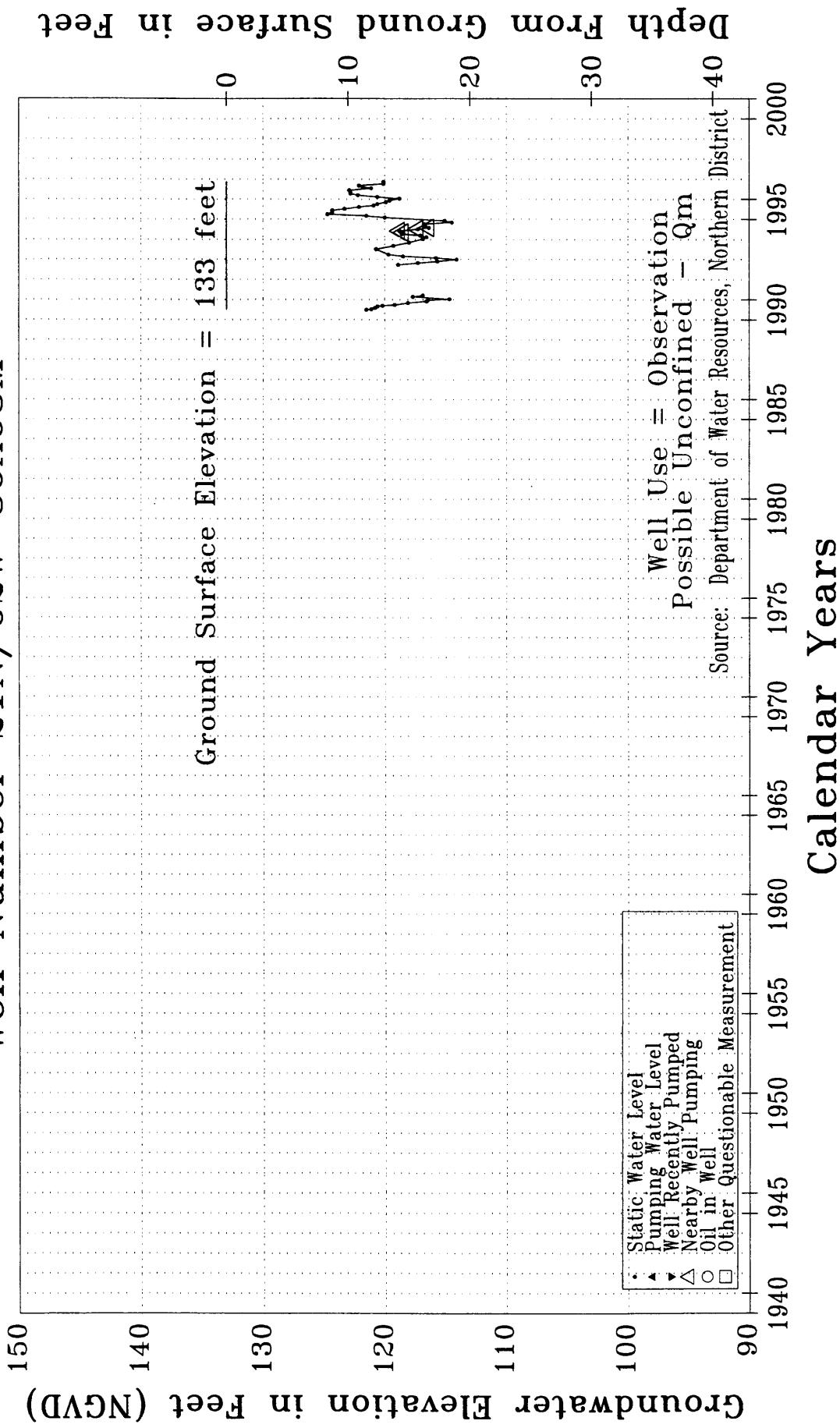
**Sacramento Valley Groundwater Basin – Glenn County  
Well Number 21N/02W-36A01M**



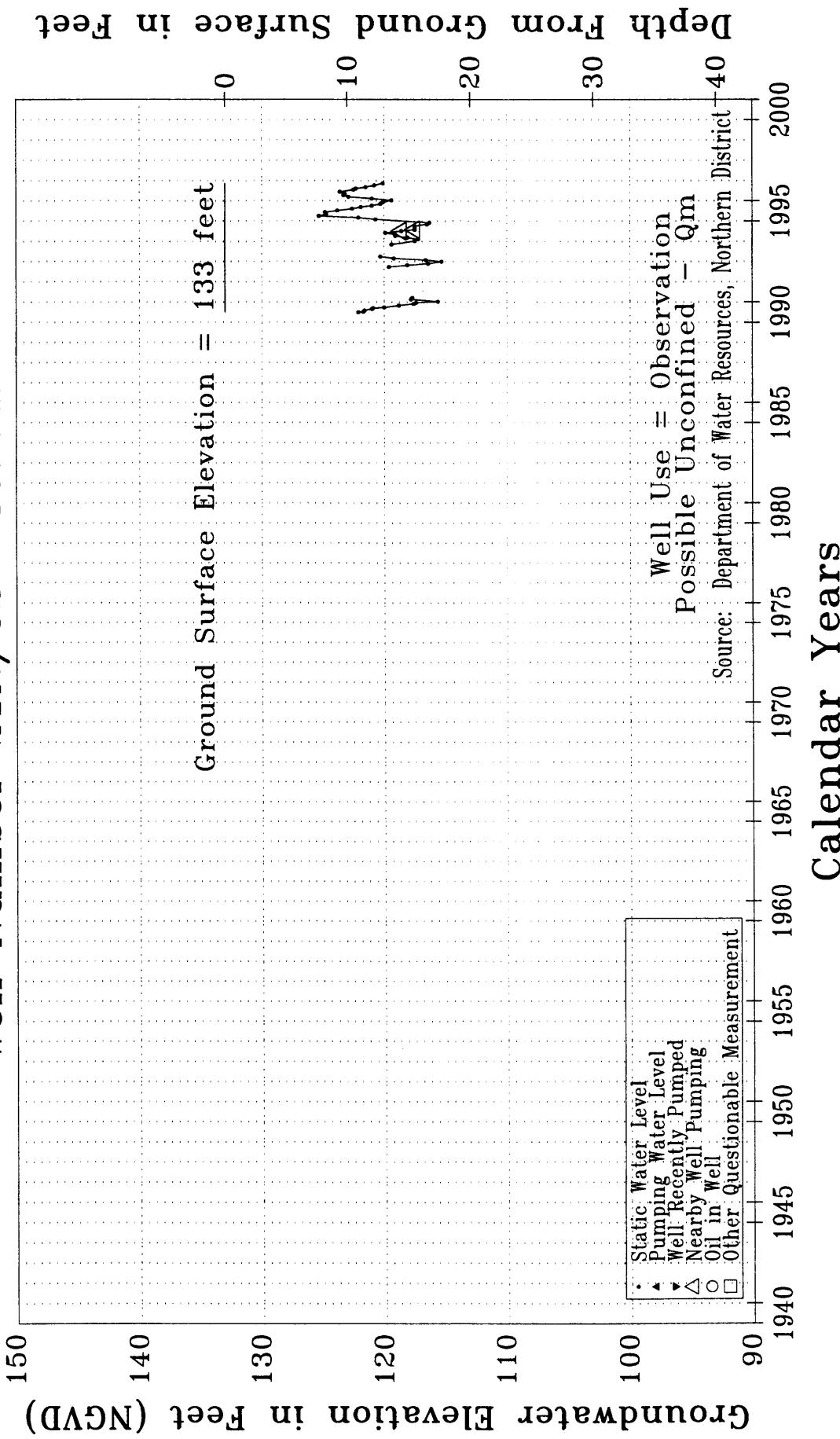
**Sacramento Valley Groundwater Basin – Glenn County**  
**Well Number 21N/02W–36A02M**



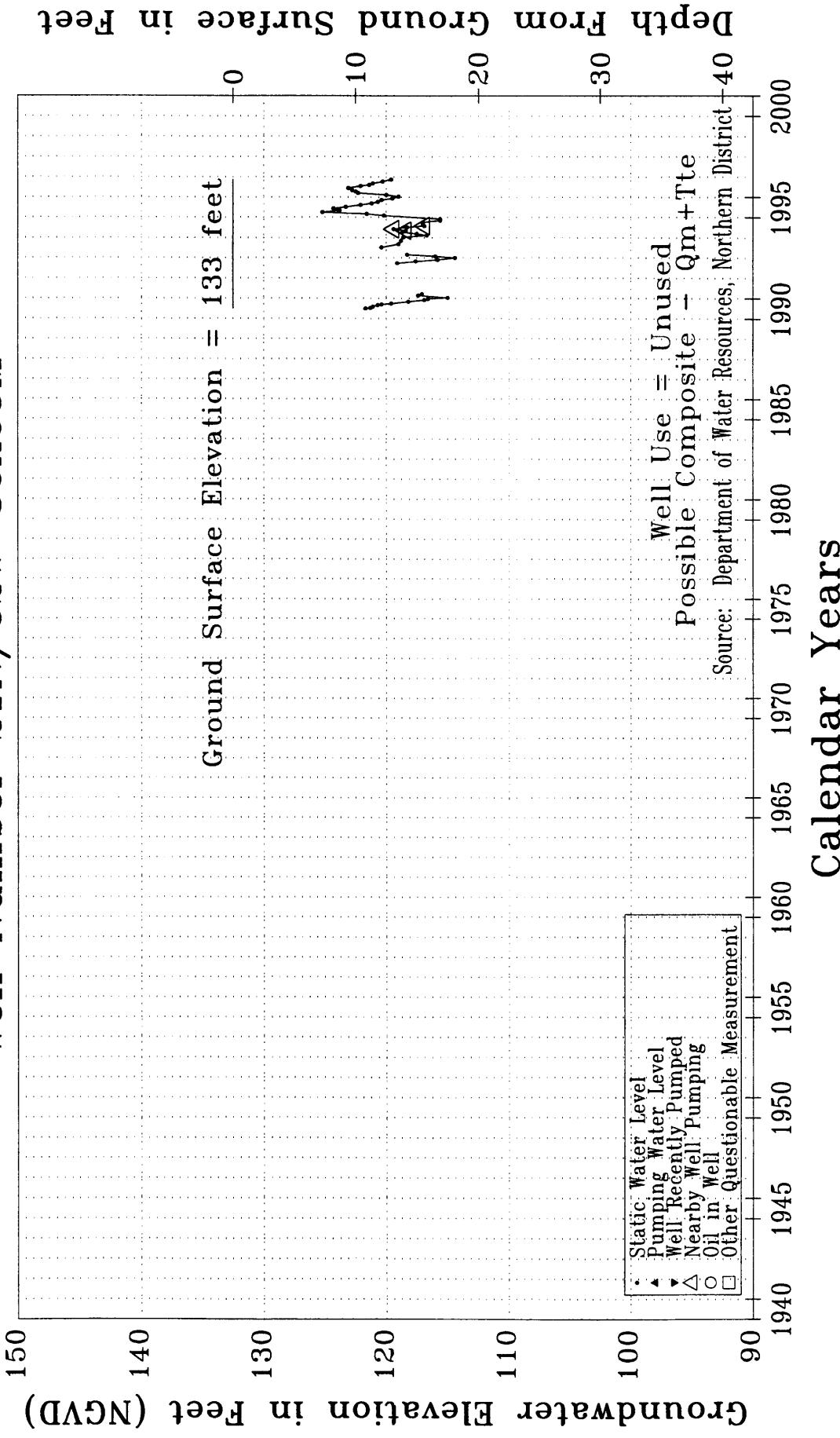
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**Well Number 21N/02W–36A03M**



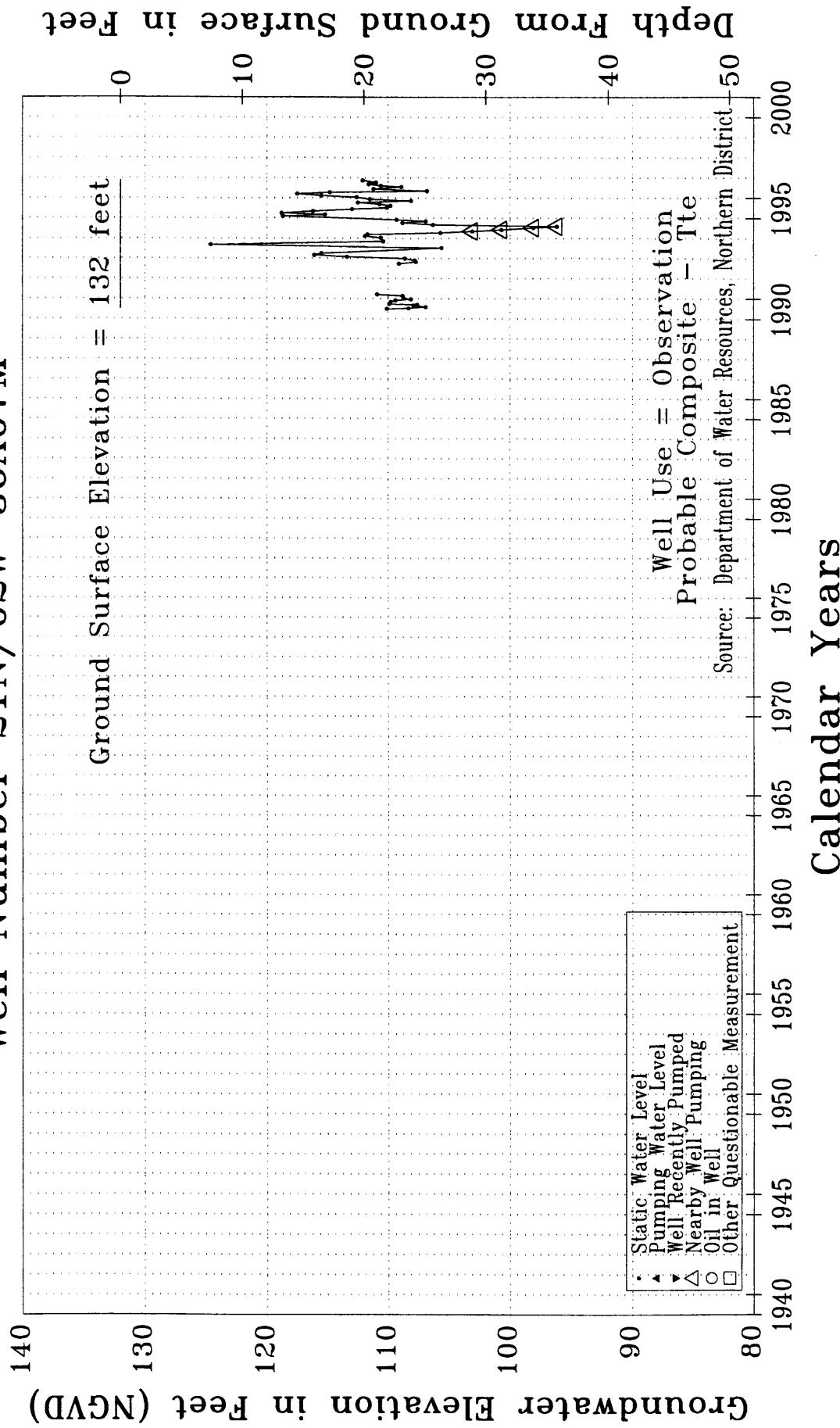
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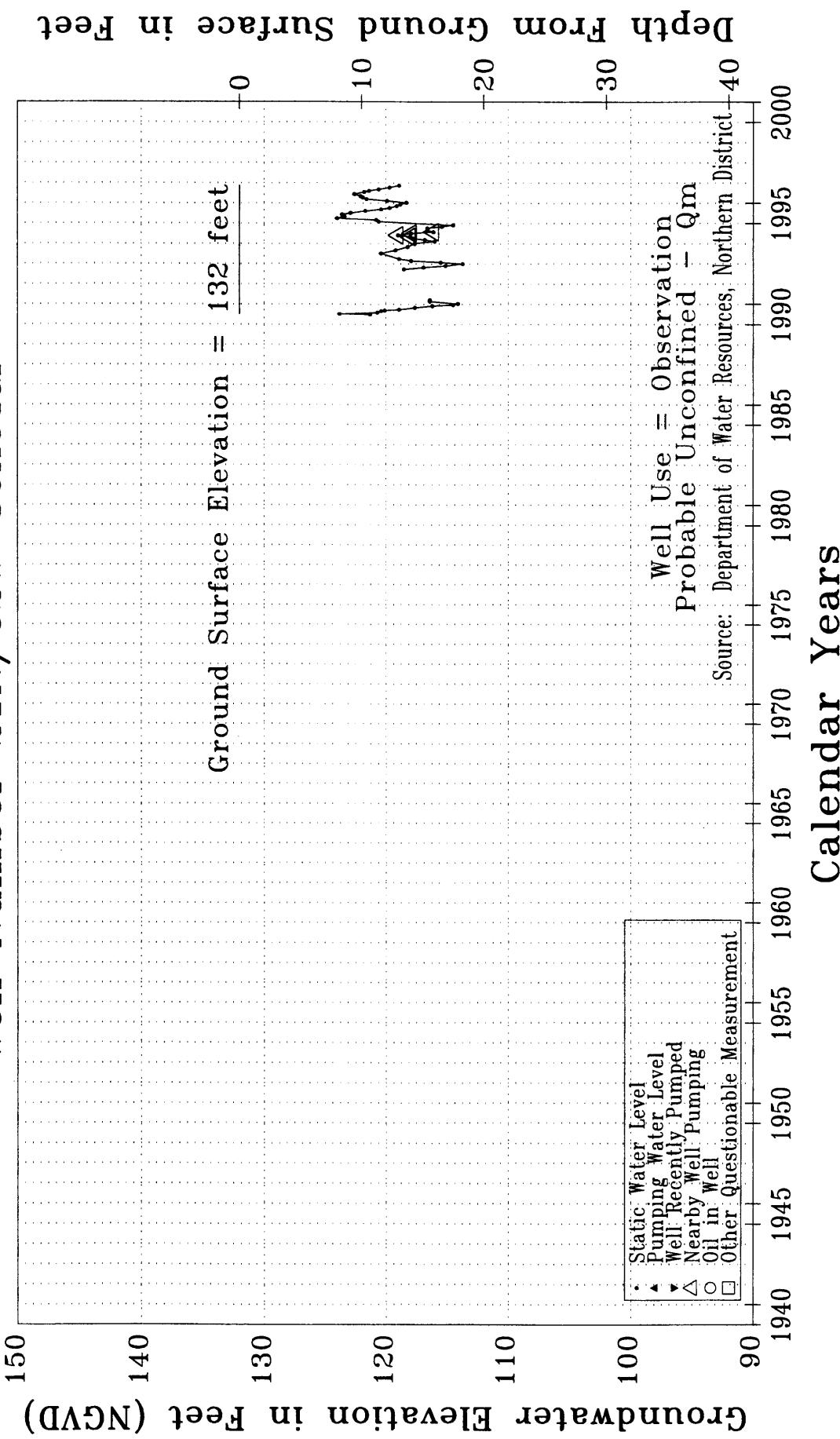
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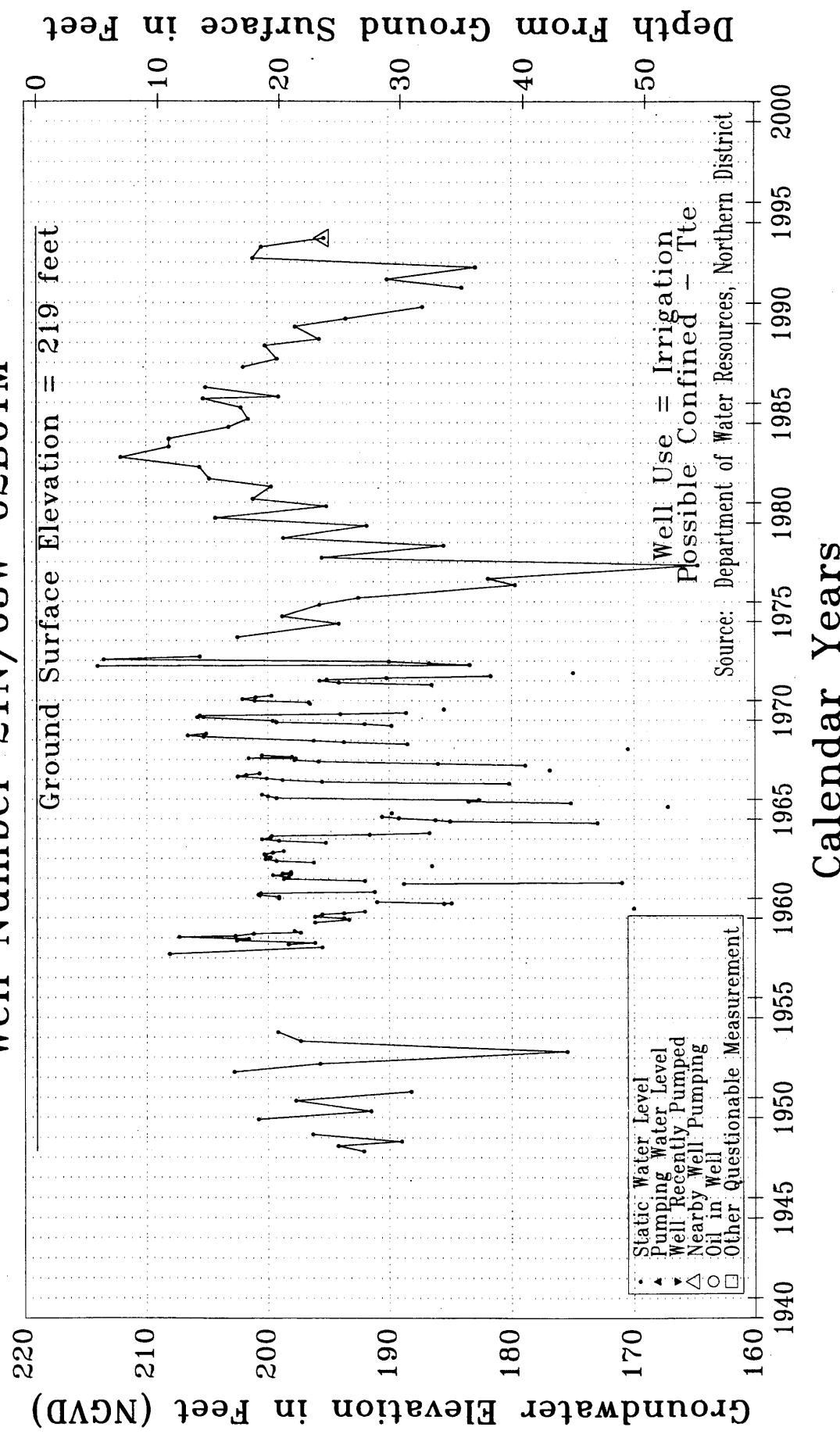
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Well Number 21N/02W–36A07M



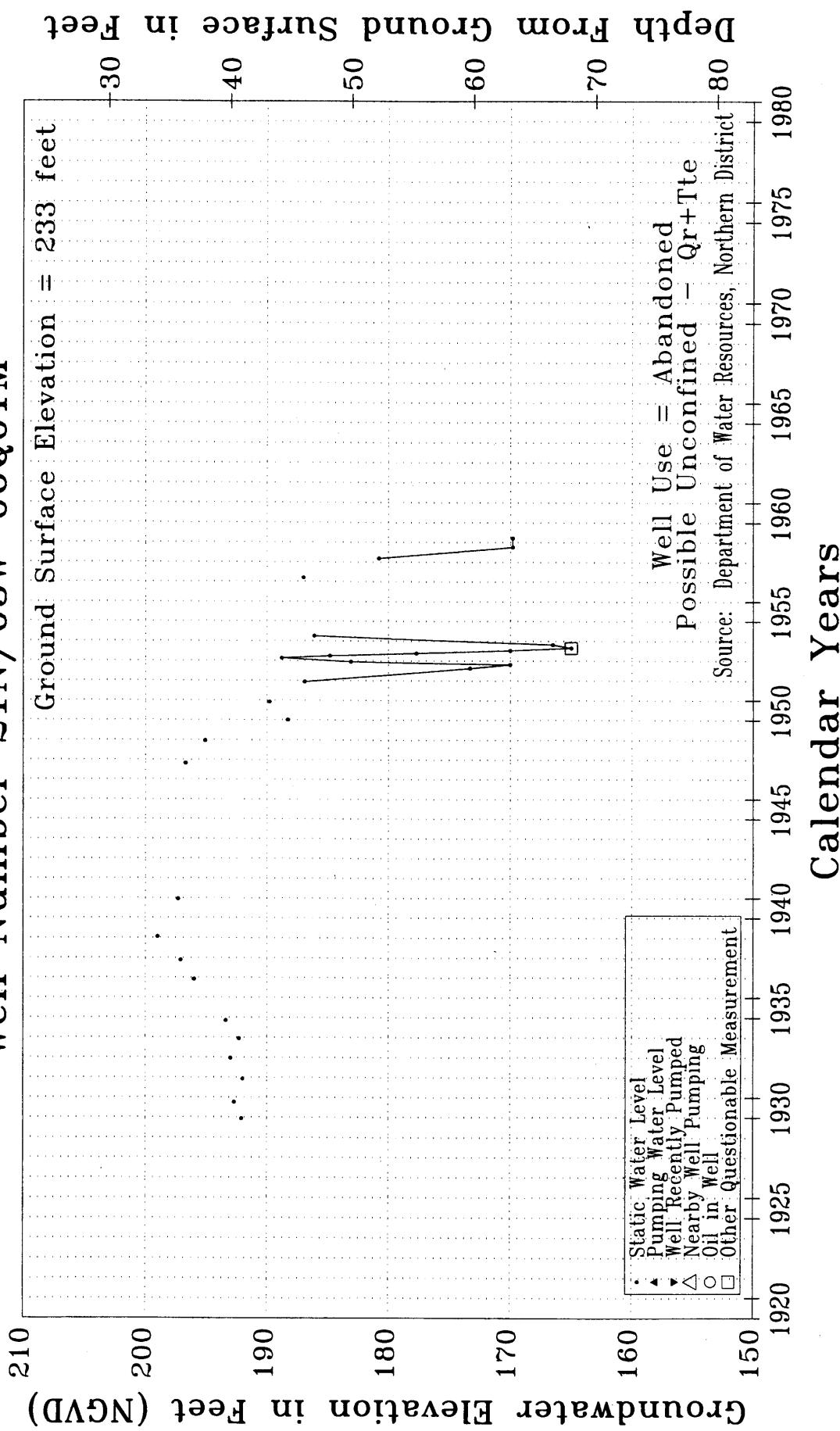
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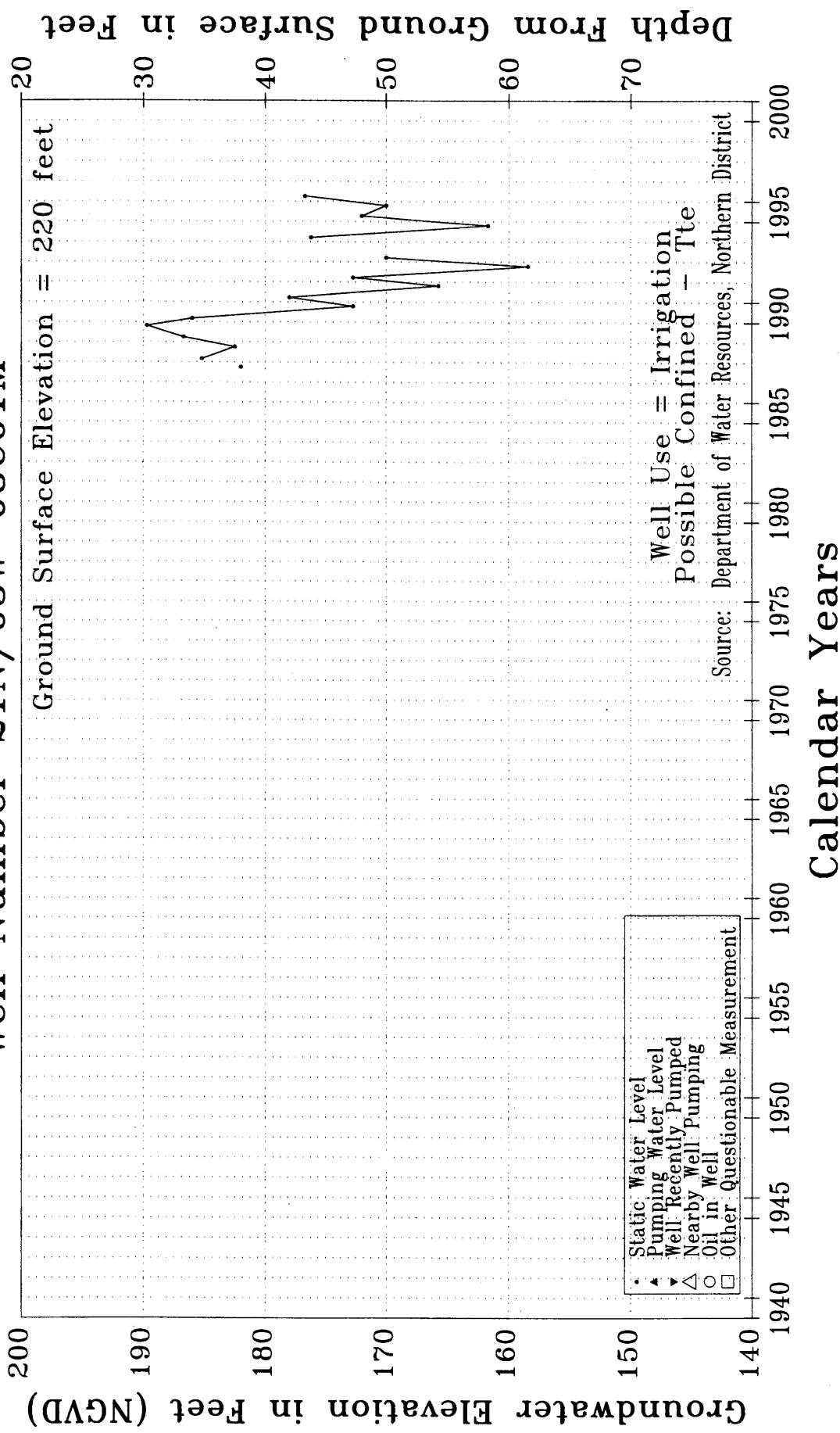
Sacramento Valley Groundwater Basin - Glenn County  
Well Number 21N/03W-02B01M



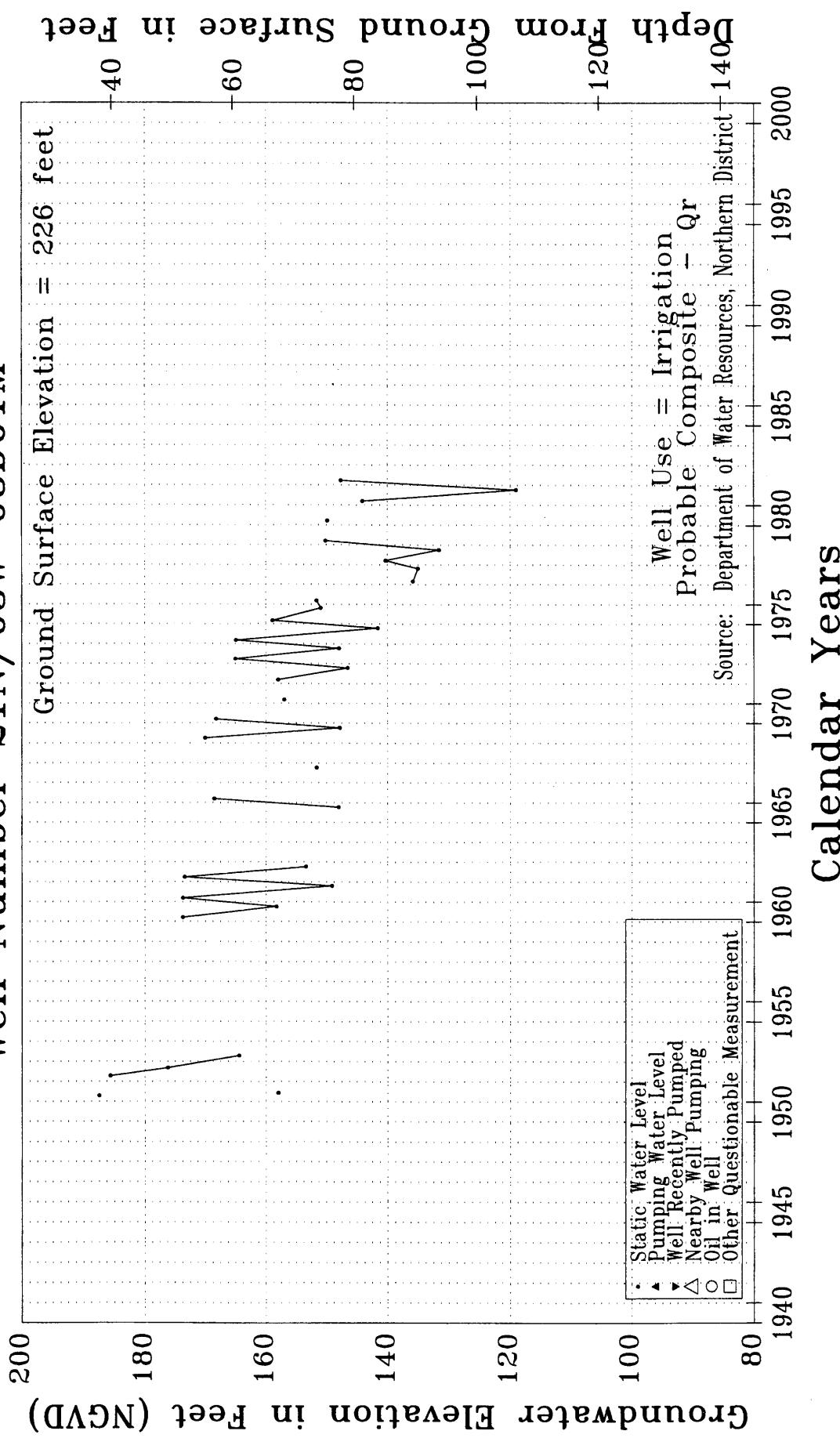
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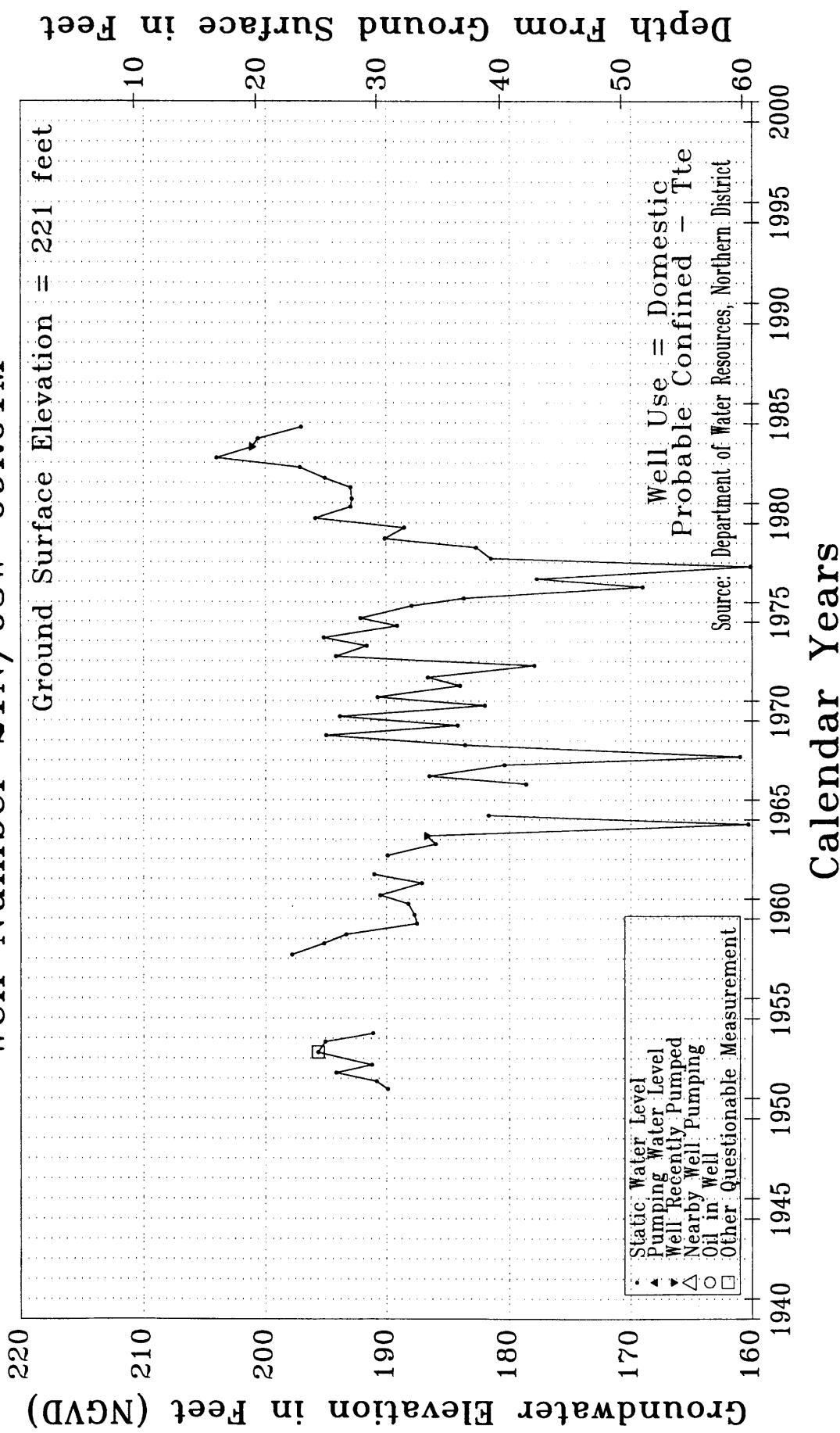
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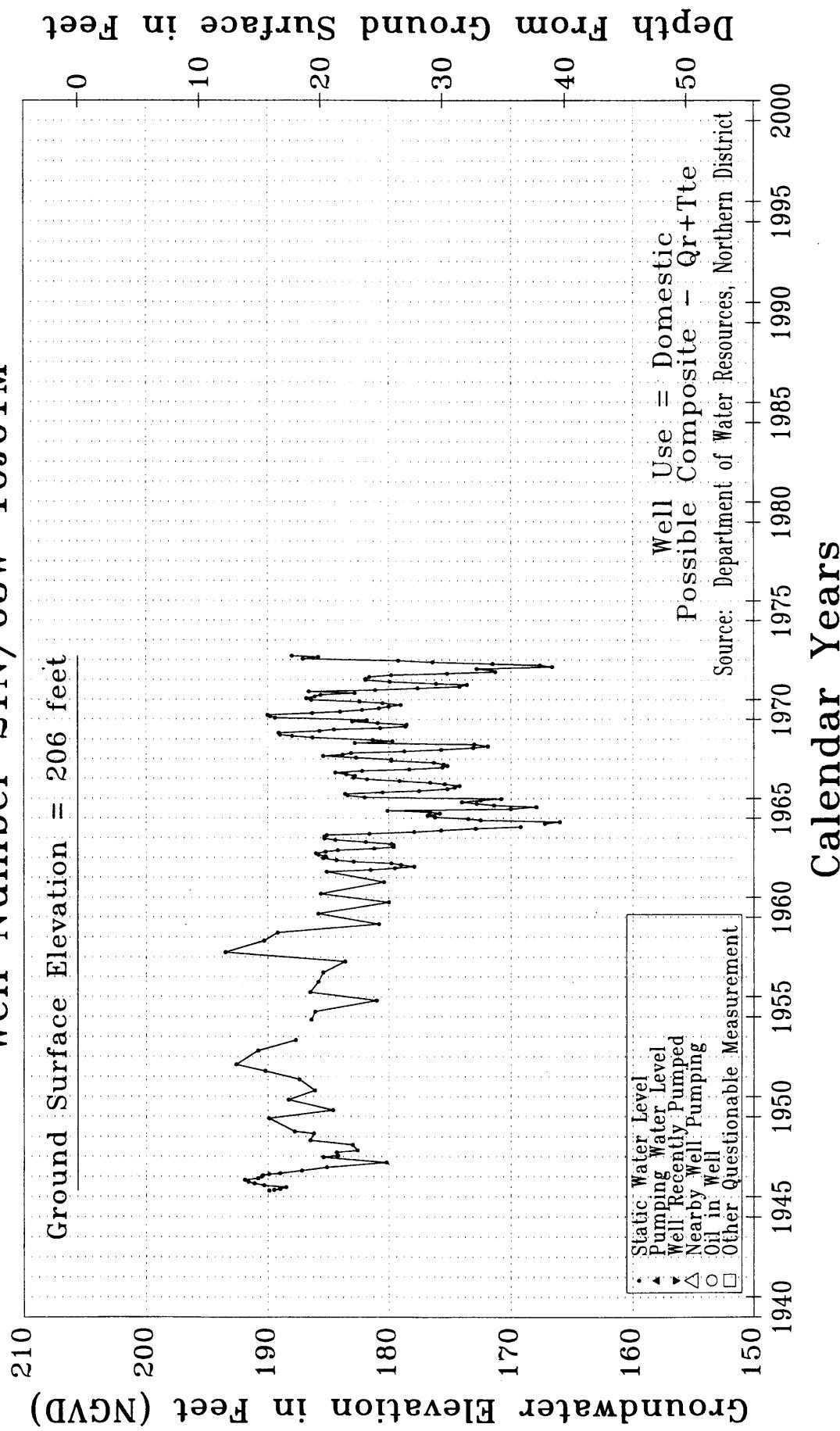
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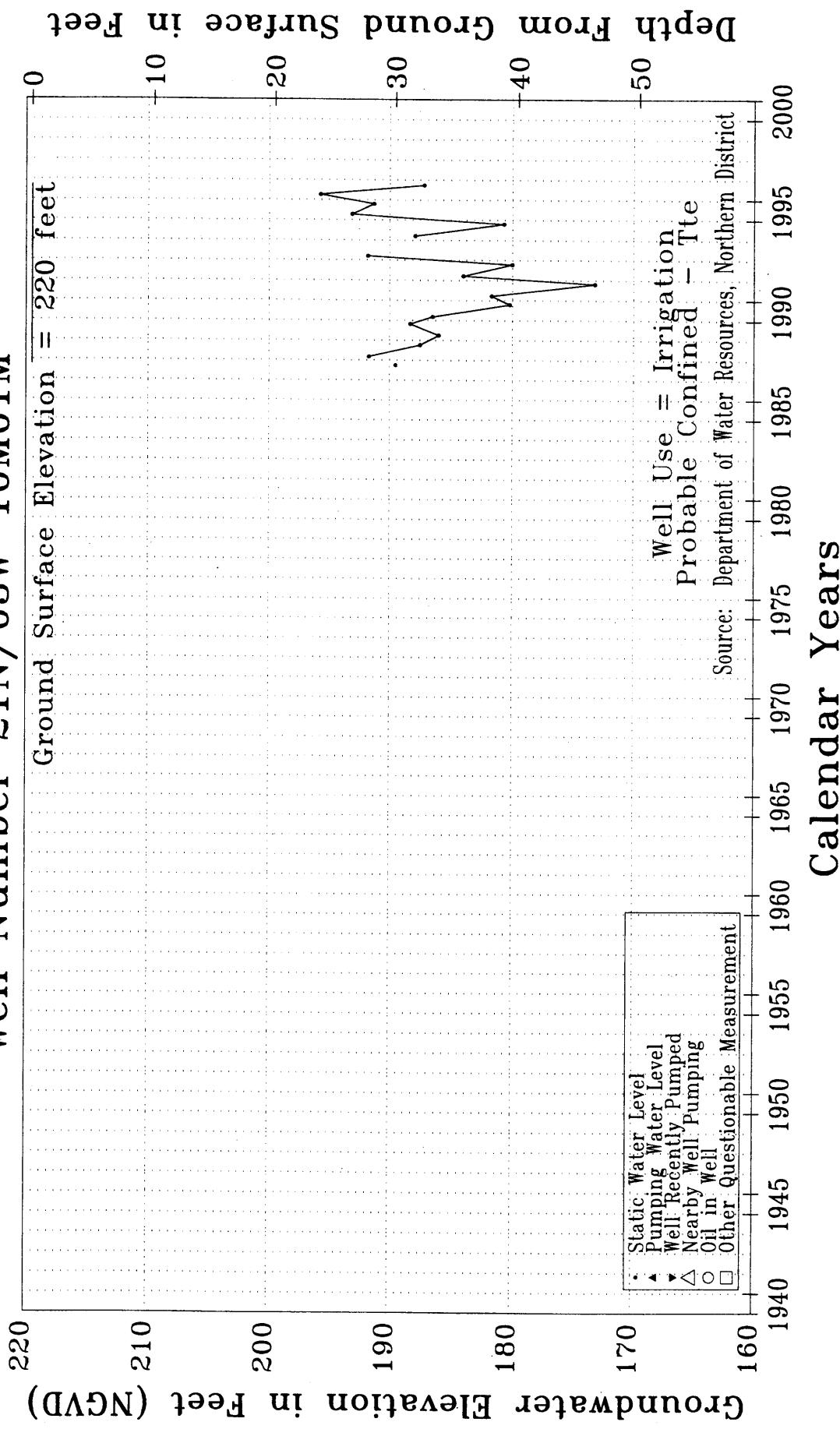
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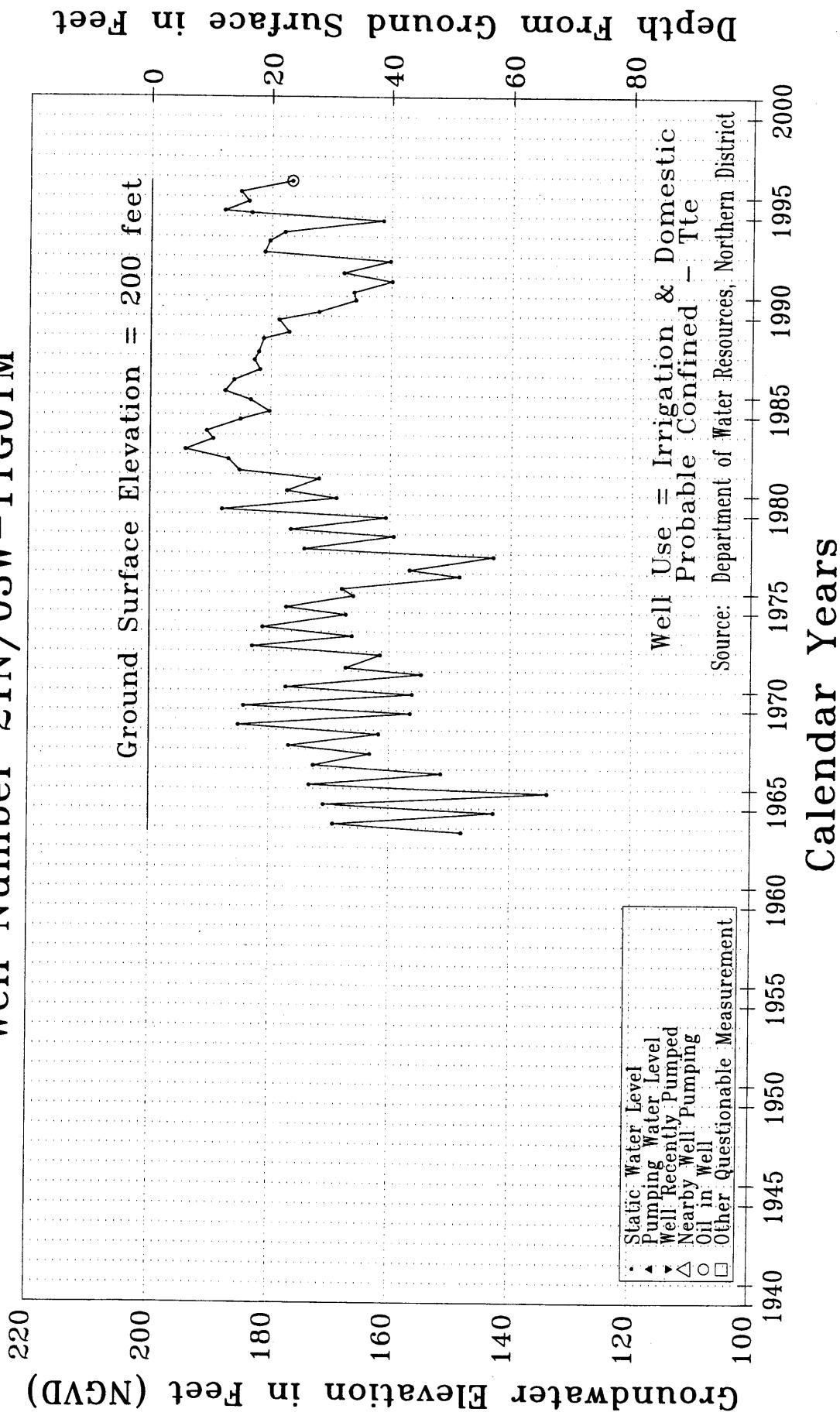
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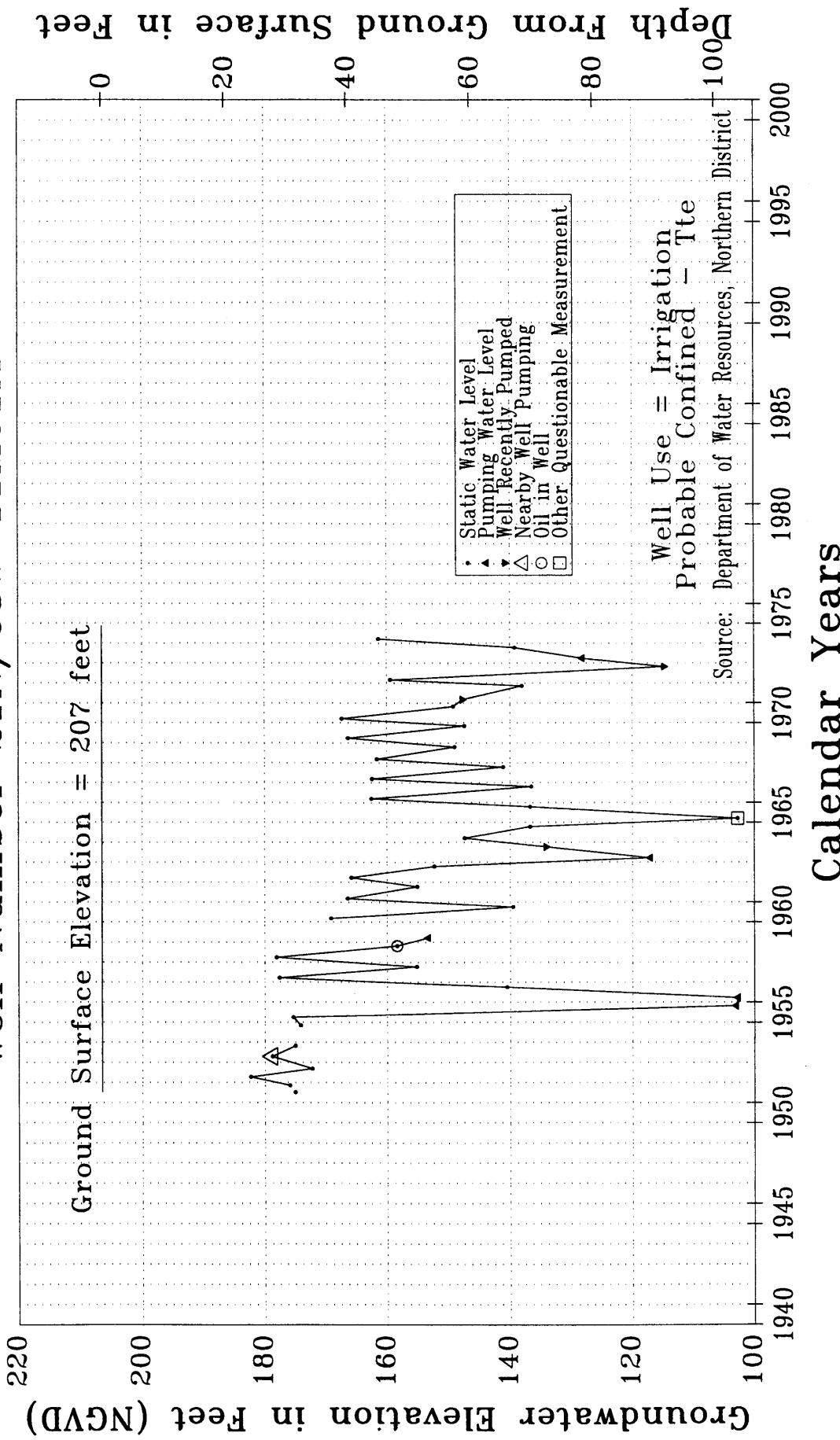
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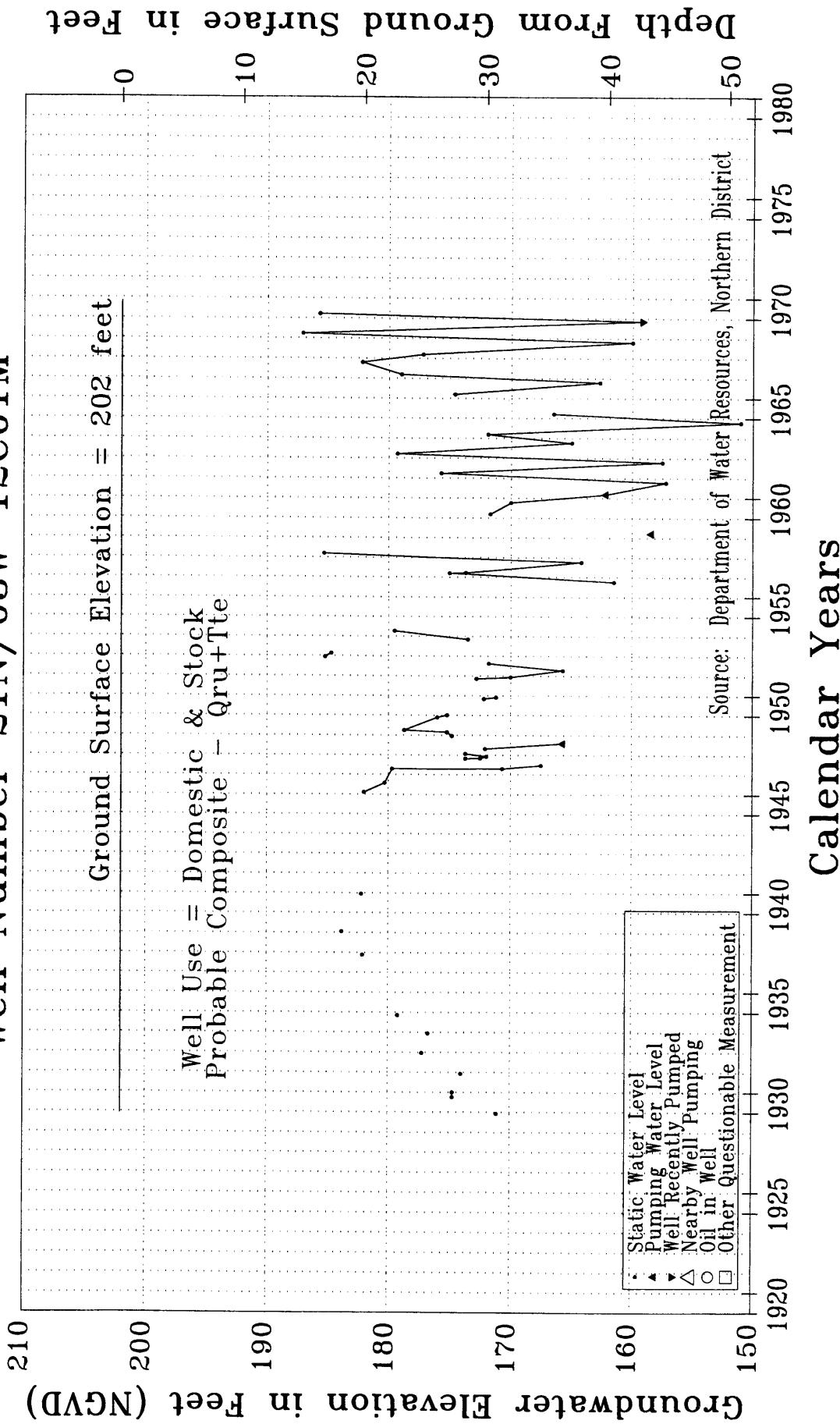
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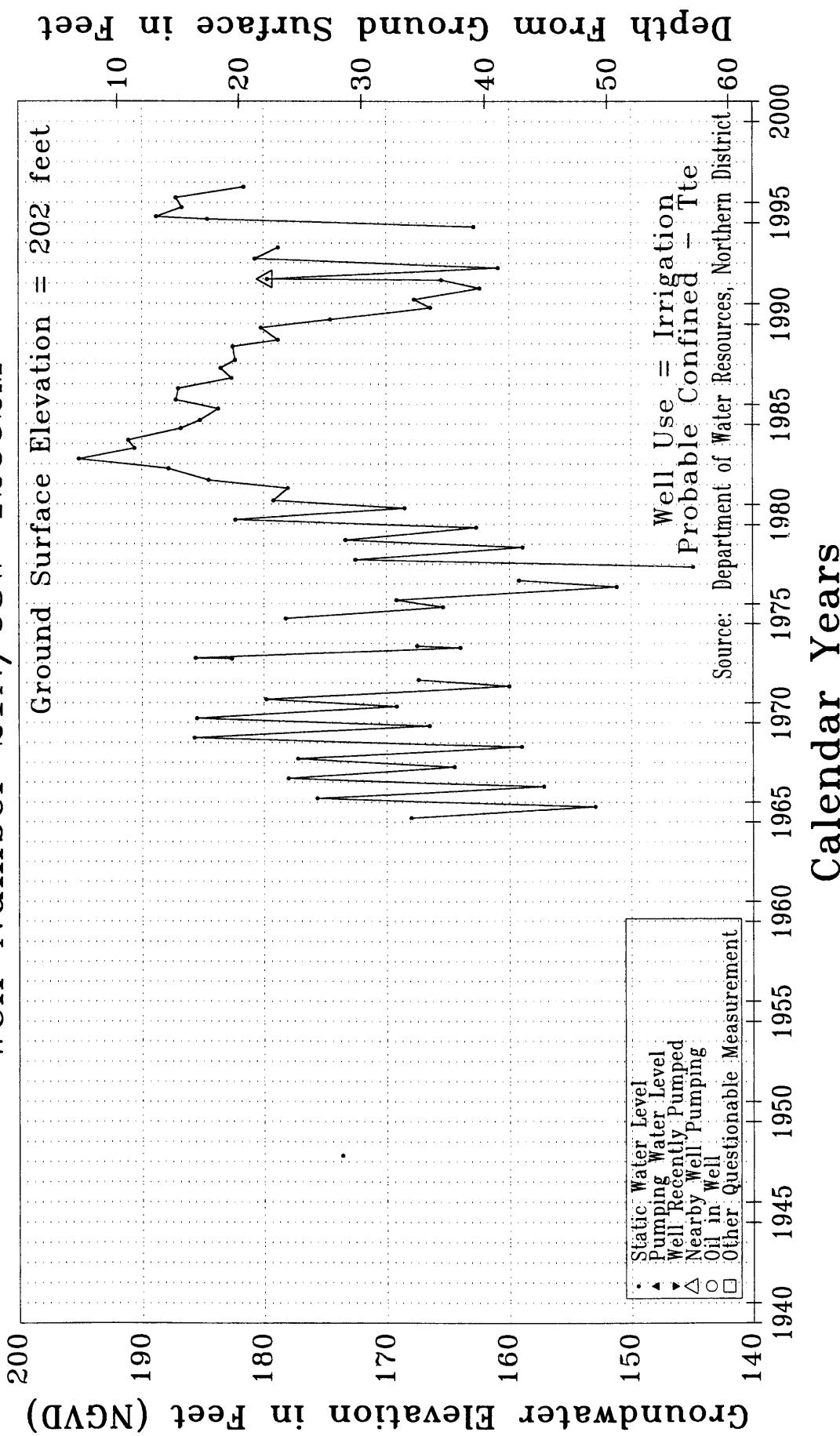
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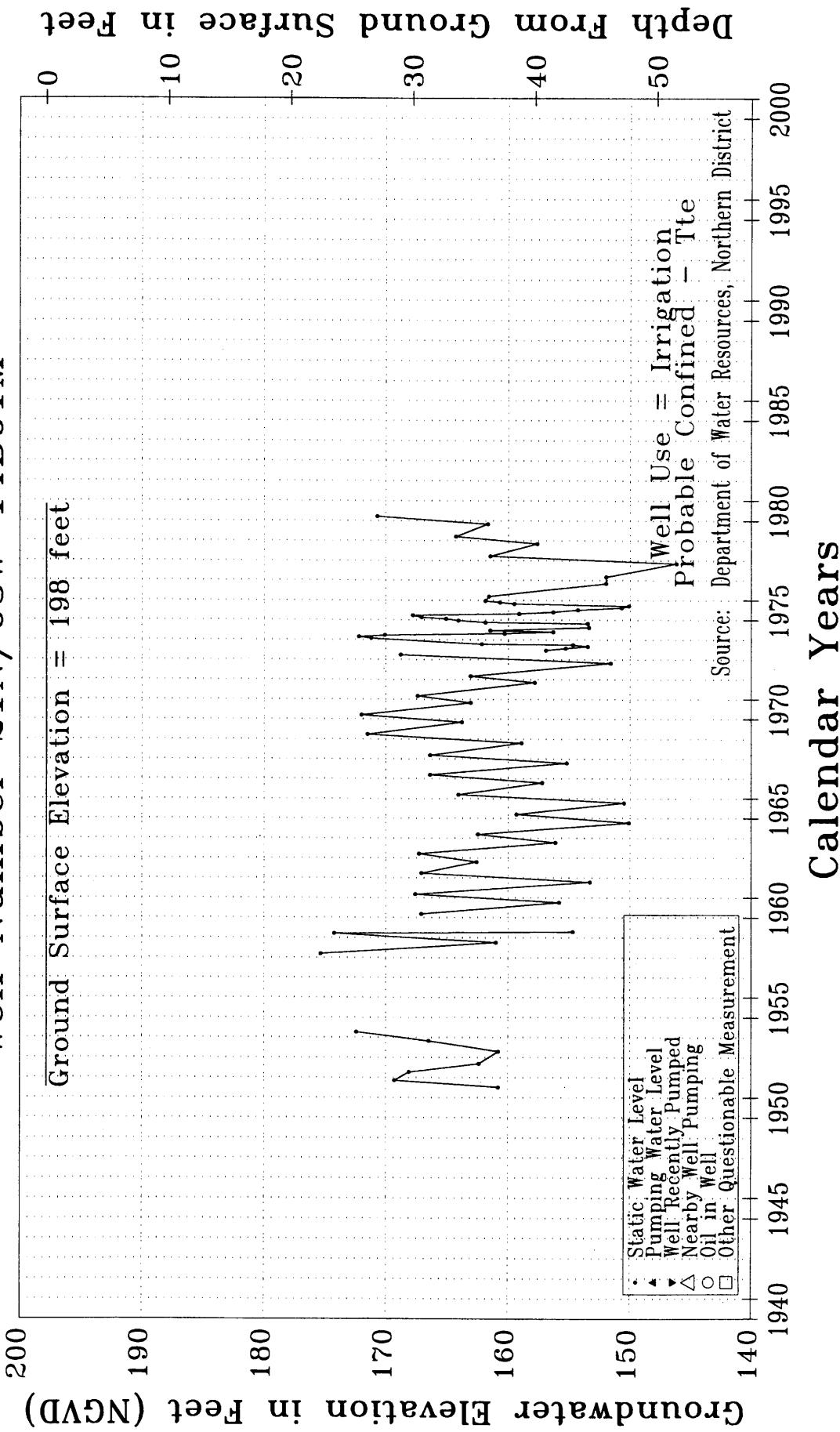
**Sacramento Valley Groundwater Basin – Glenn County**  
**Well Number 21N/03W-12C01M**



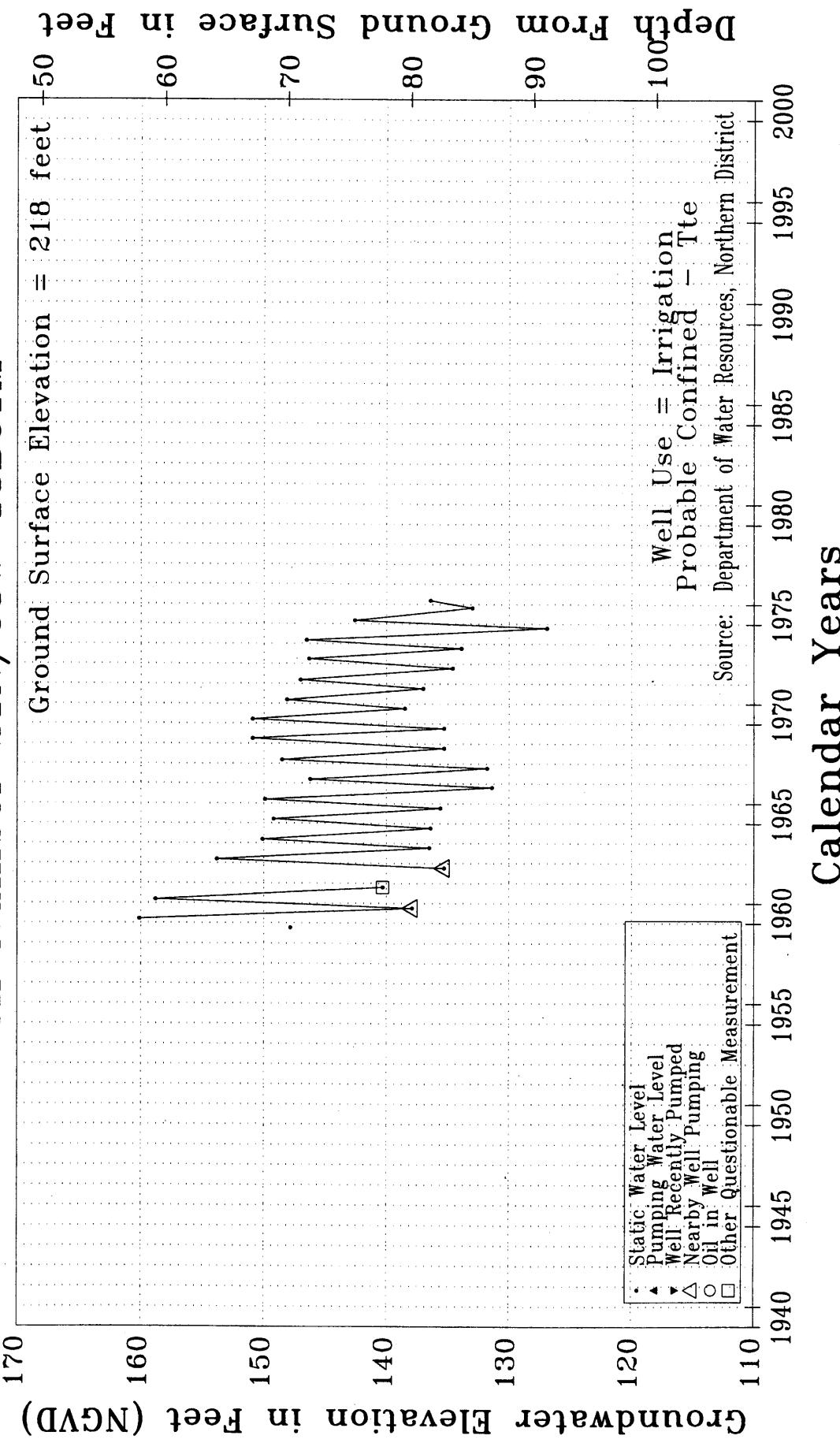
Sacramento Valley Groundwater Basin – Glenn County  
Well Number 21N/03W-12C02M



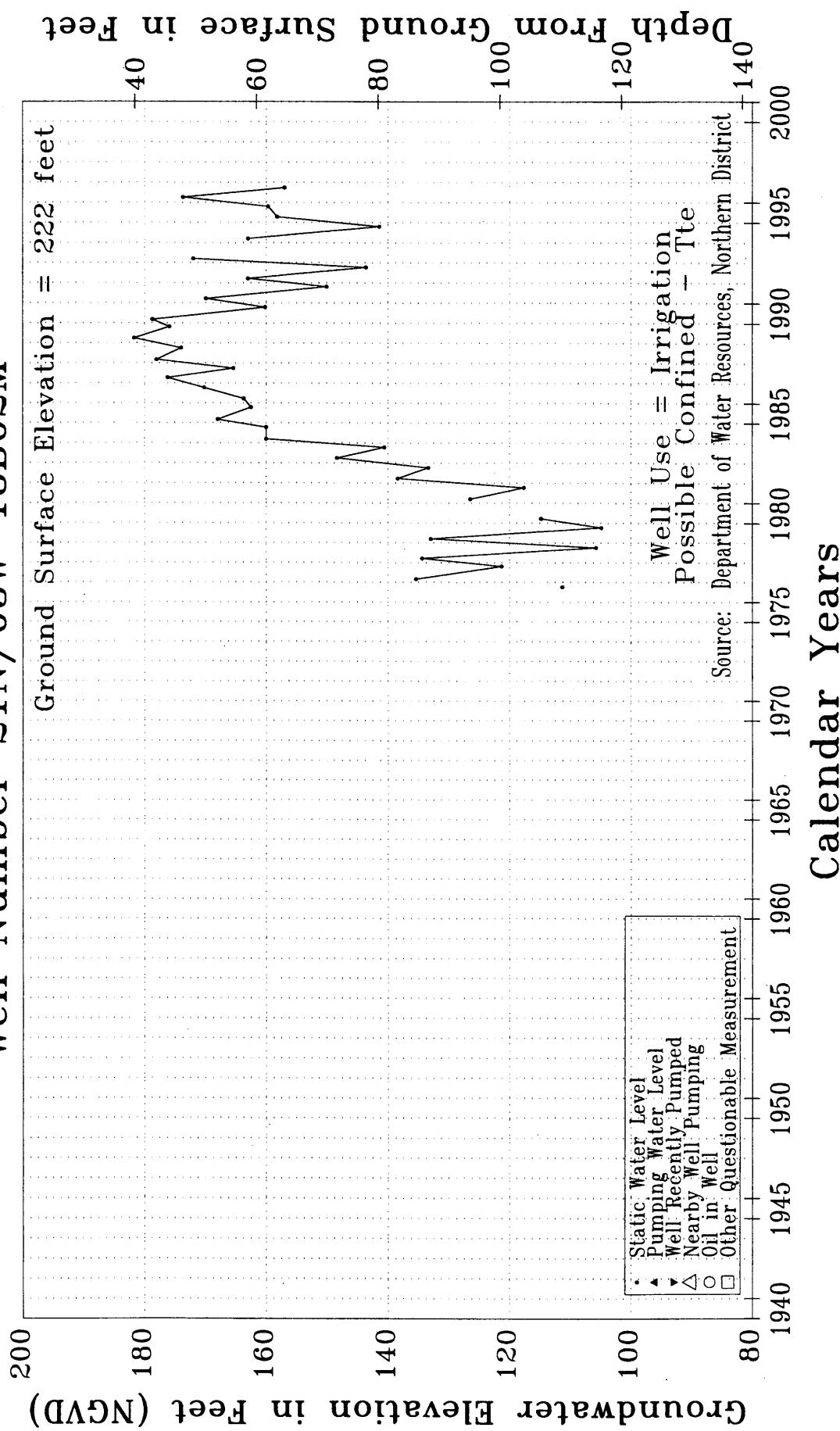
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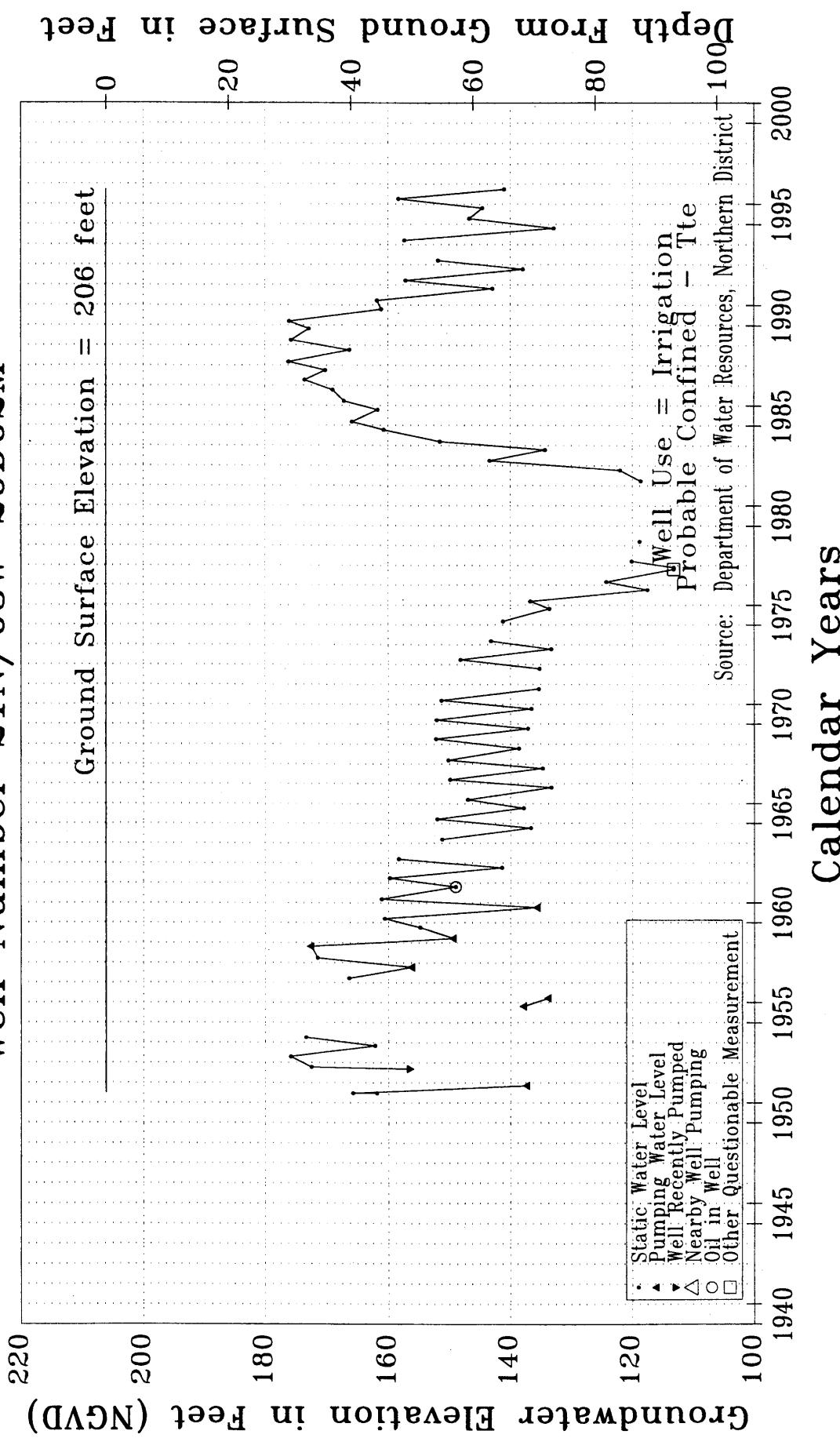
Sacramento Valley Groundwater Basin – Glenn County  
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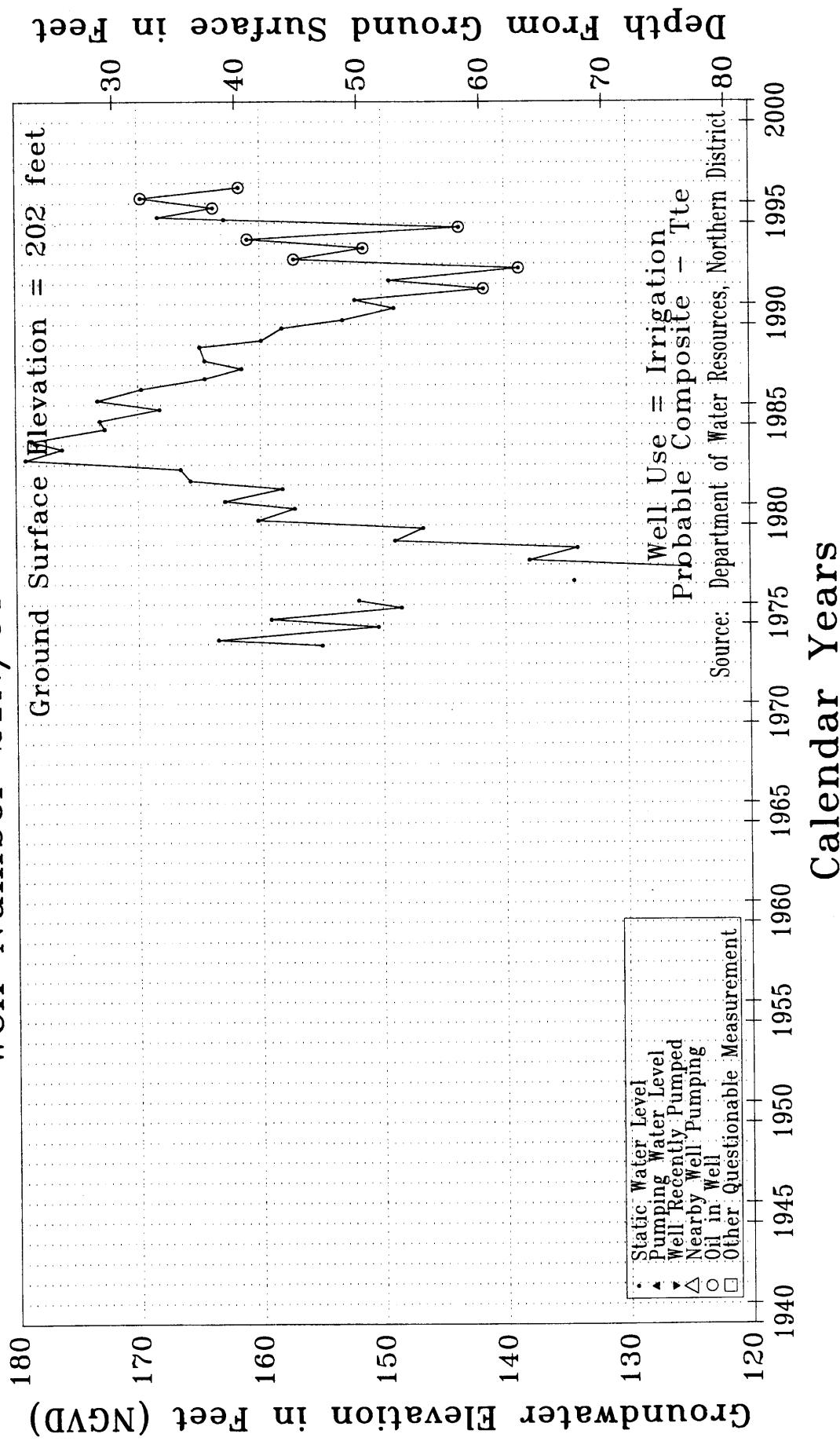
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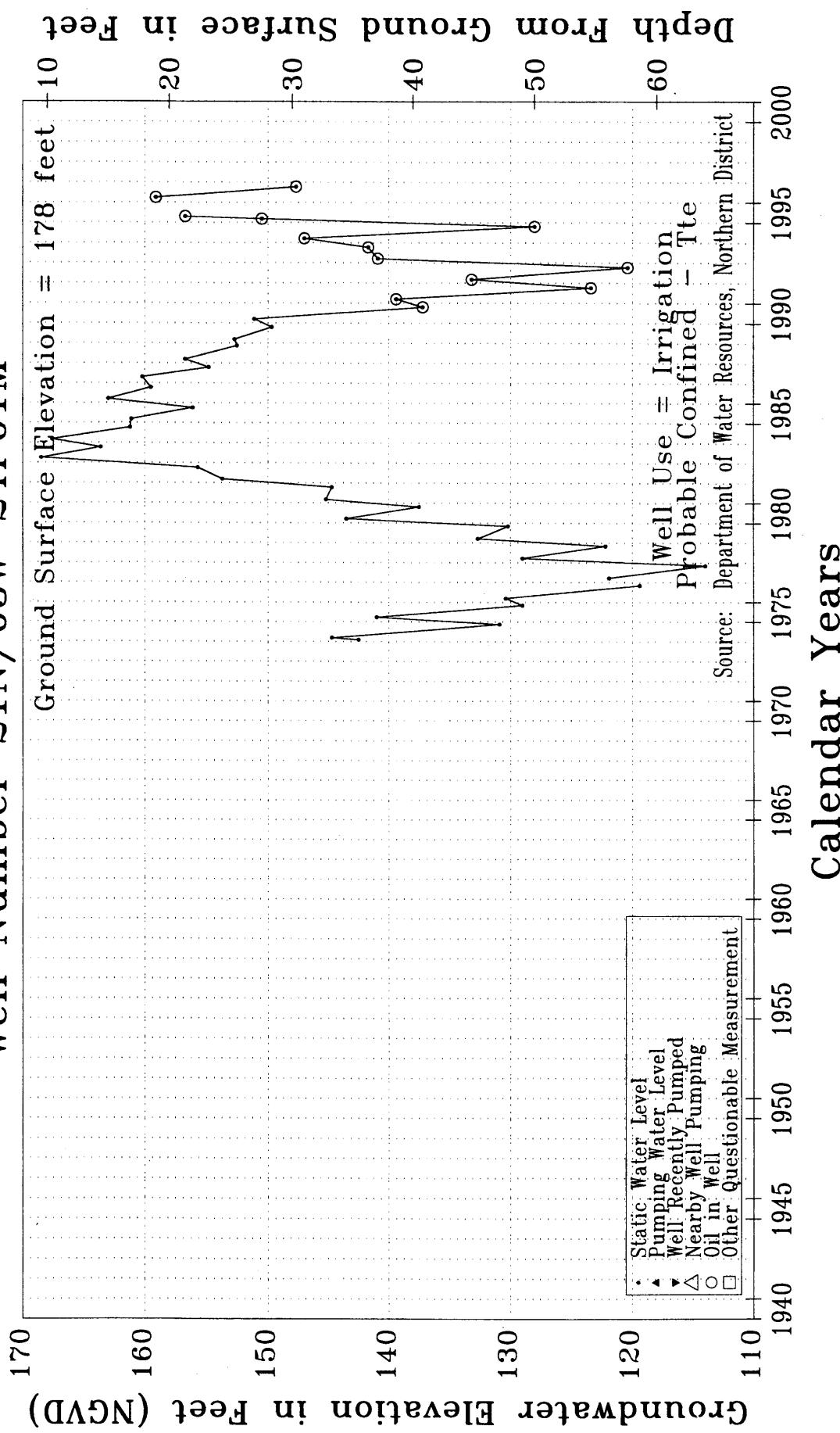
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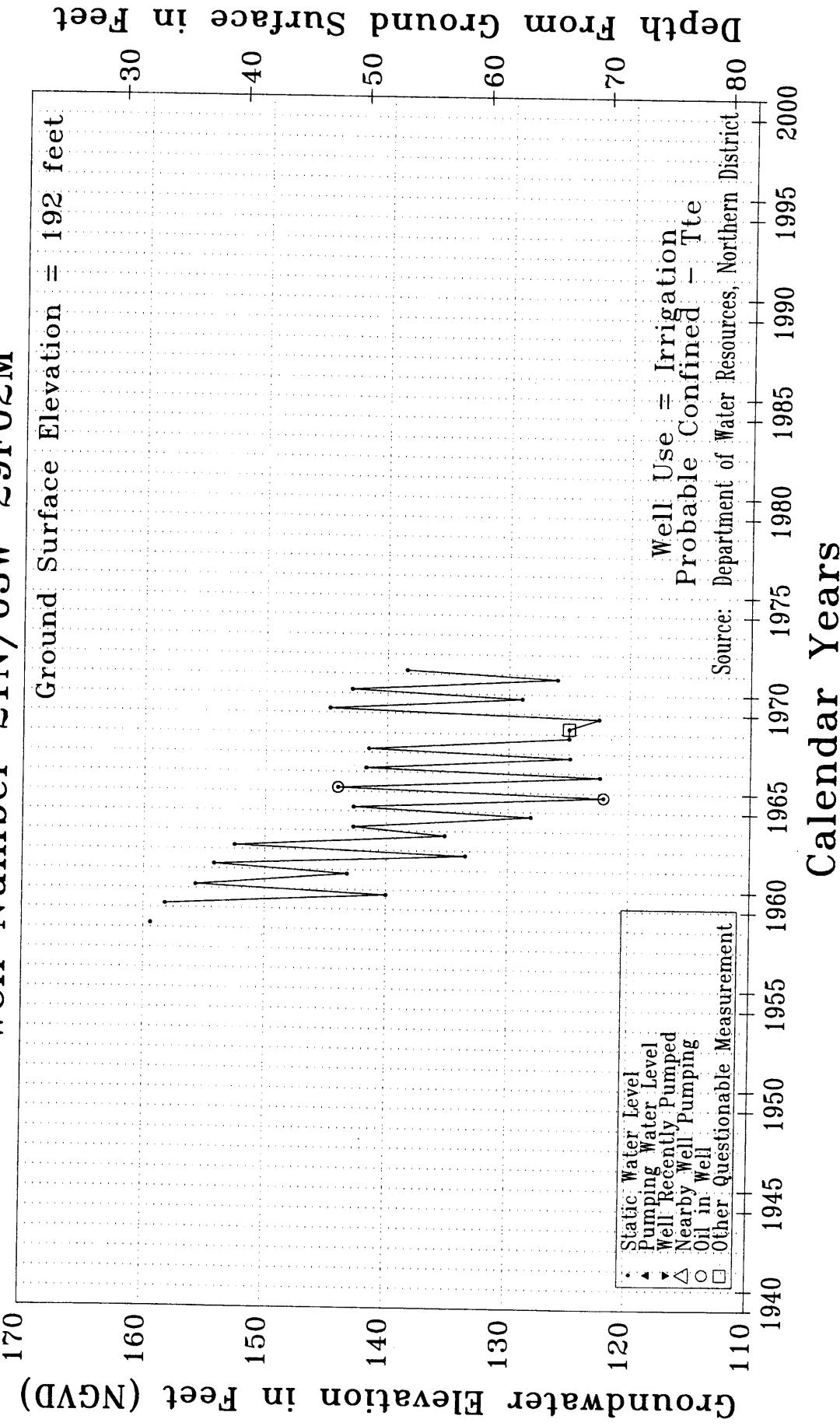
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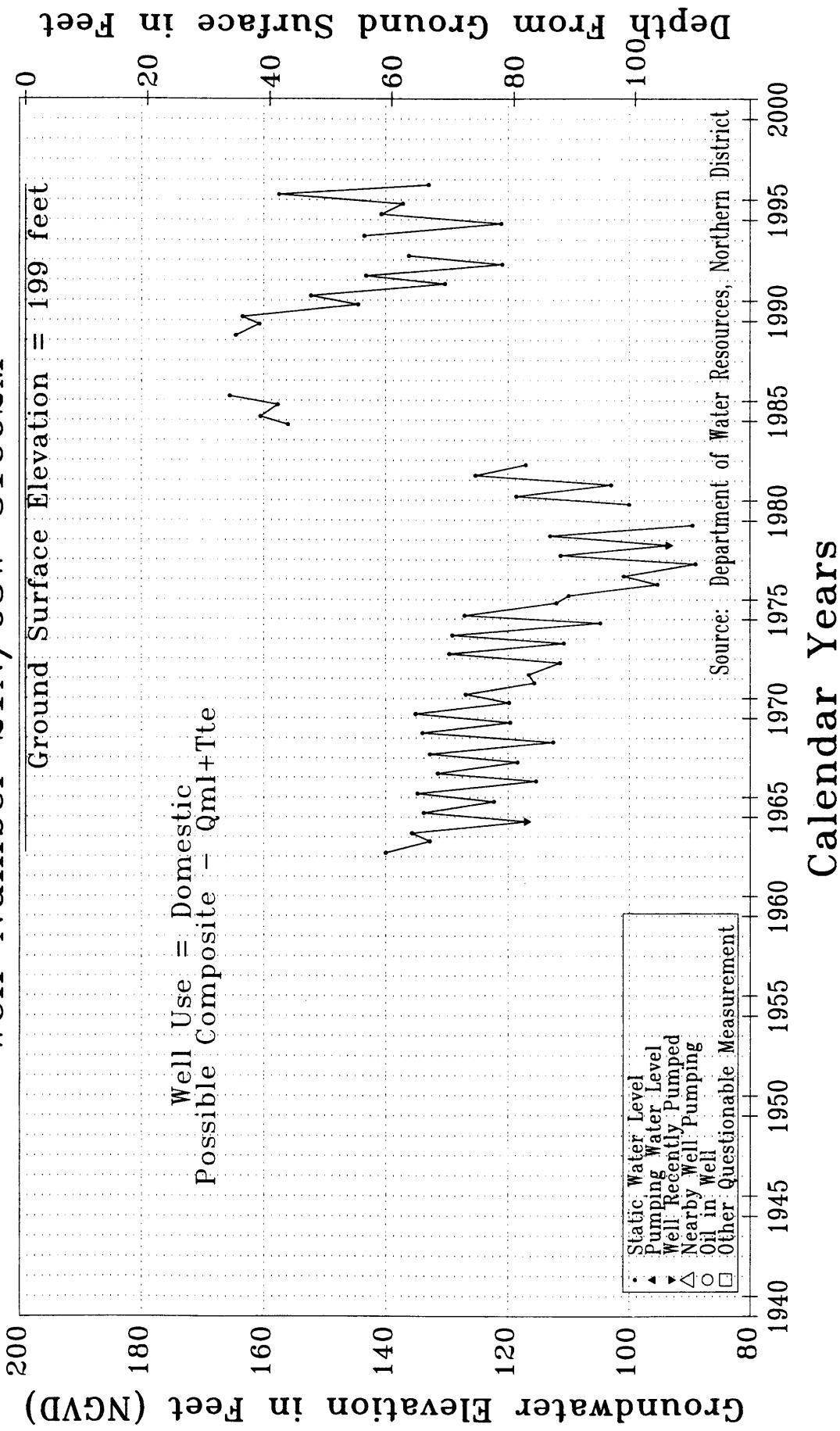
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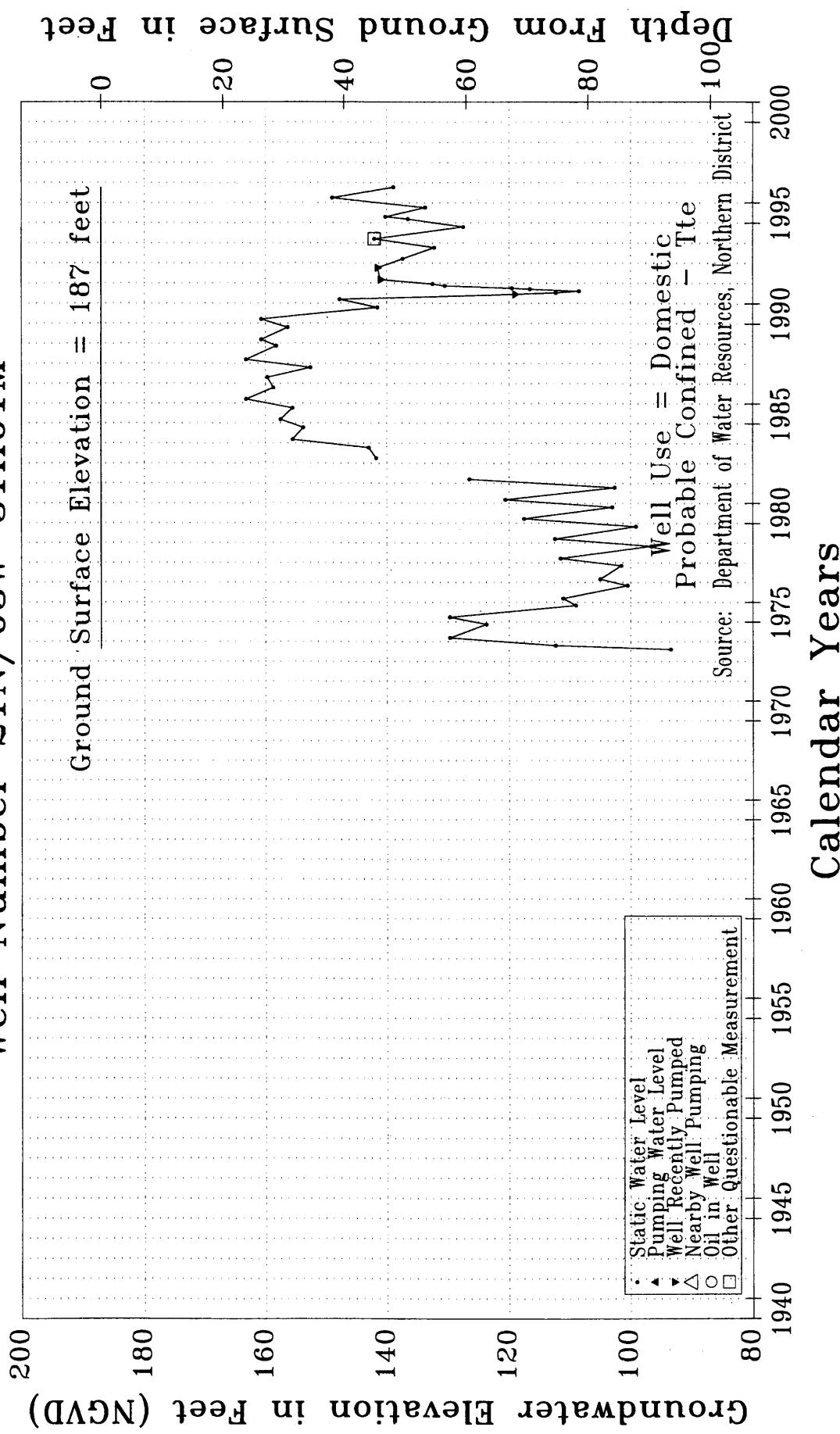
Sacramento Valley Groundwater Basin - Glenn County  
Well Number 21N/03W-29F02M



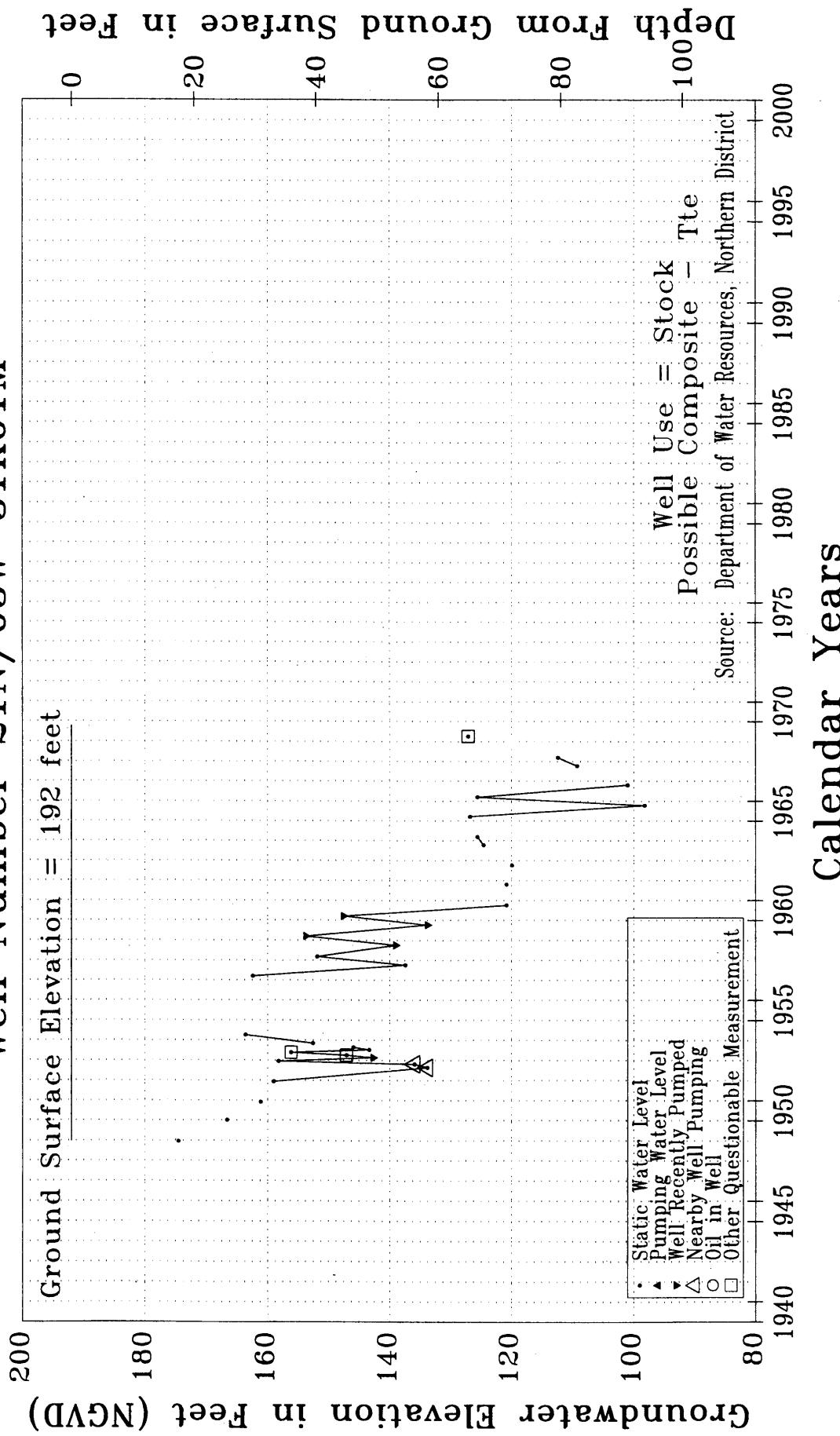
Sacramento Valley Groundwater Basin – Glenn County  
Well Number 21N/03W–31C02M



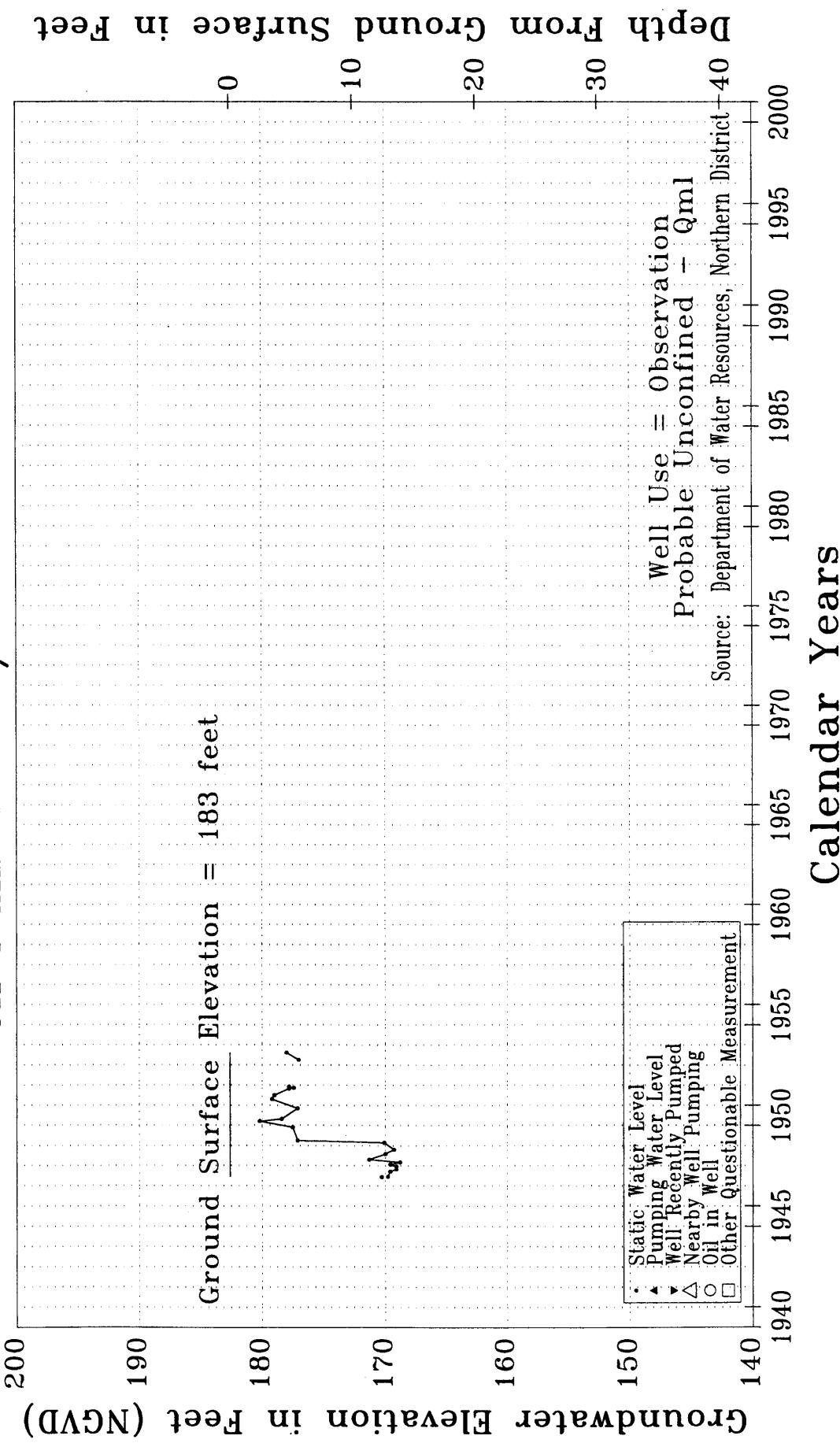
Sacramento Valley Groundwater Basin – Glenn County  
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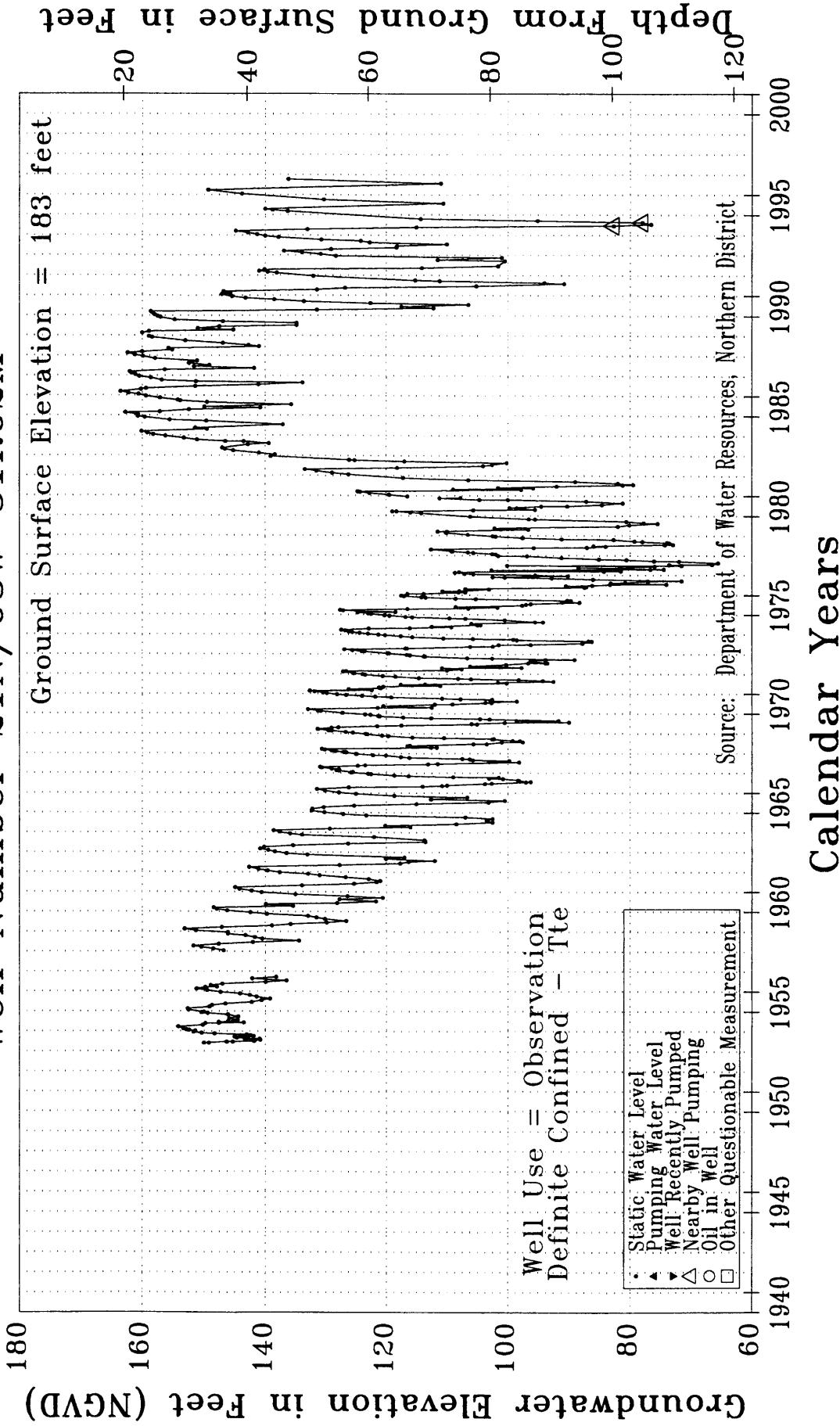
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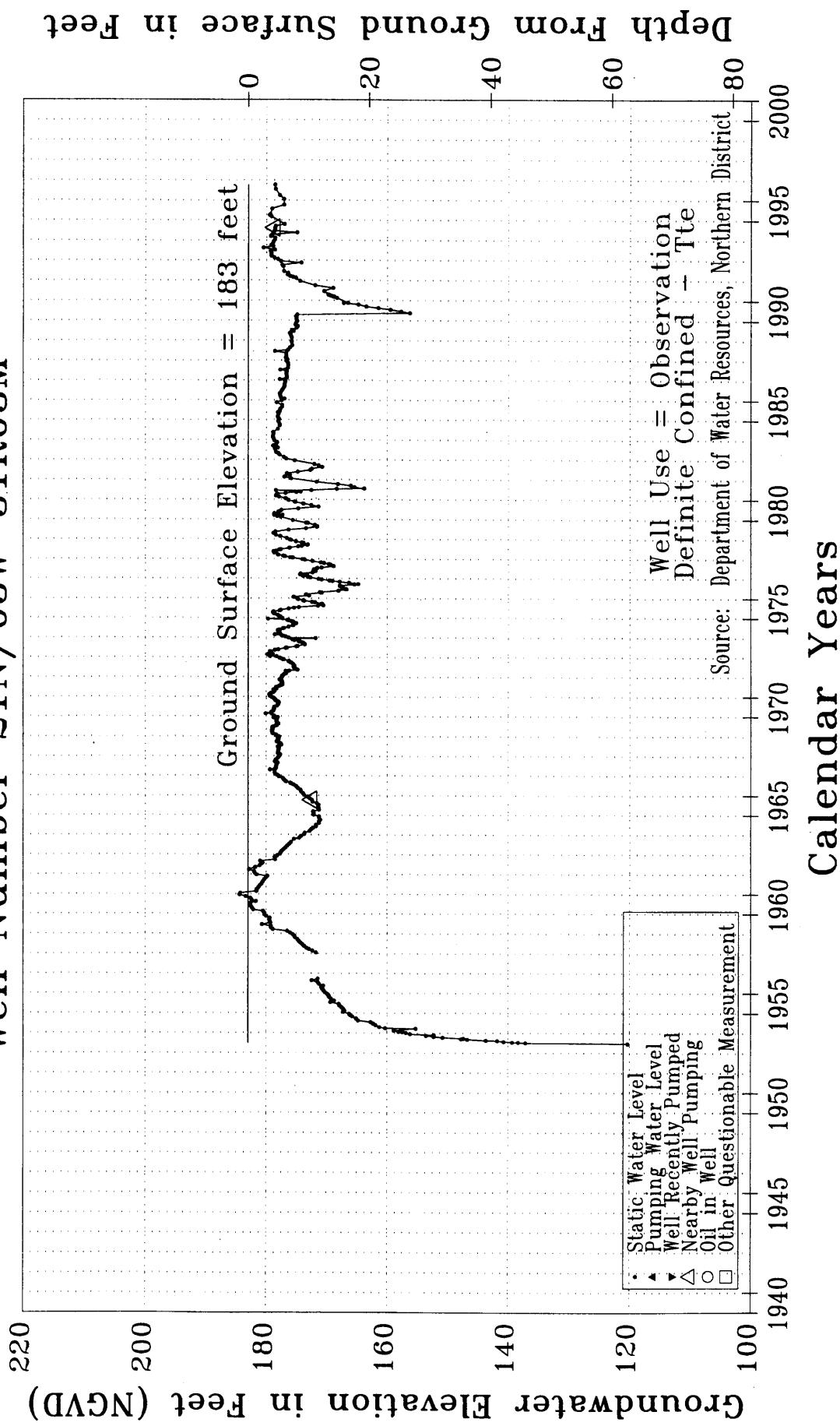
Sacramento Valley Groundwater Basin – Glenn County  
Well Number 21N/03W-31R01M



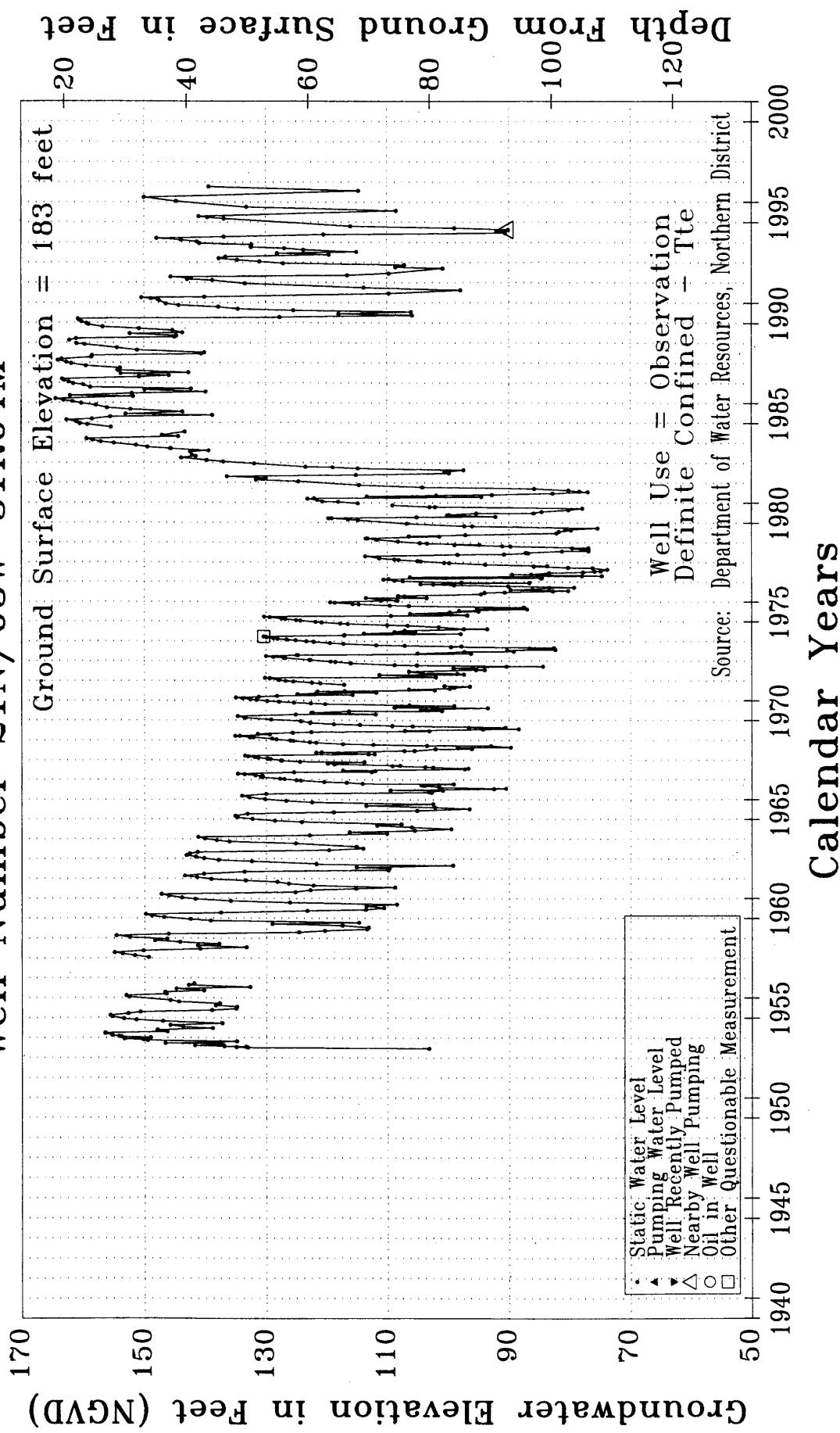
Sacramento Valley Groundwater Basin – Glenn County  
Well Number 21N/03W-31R02M



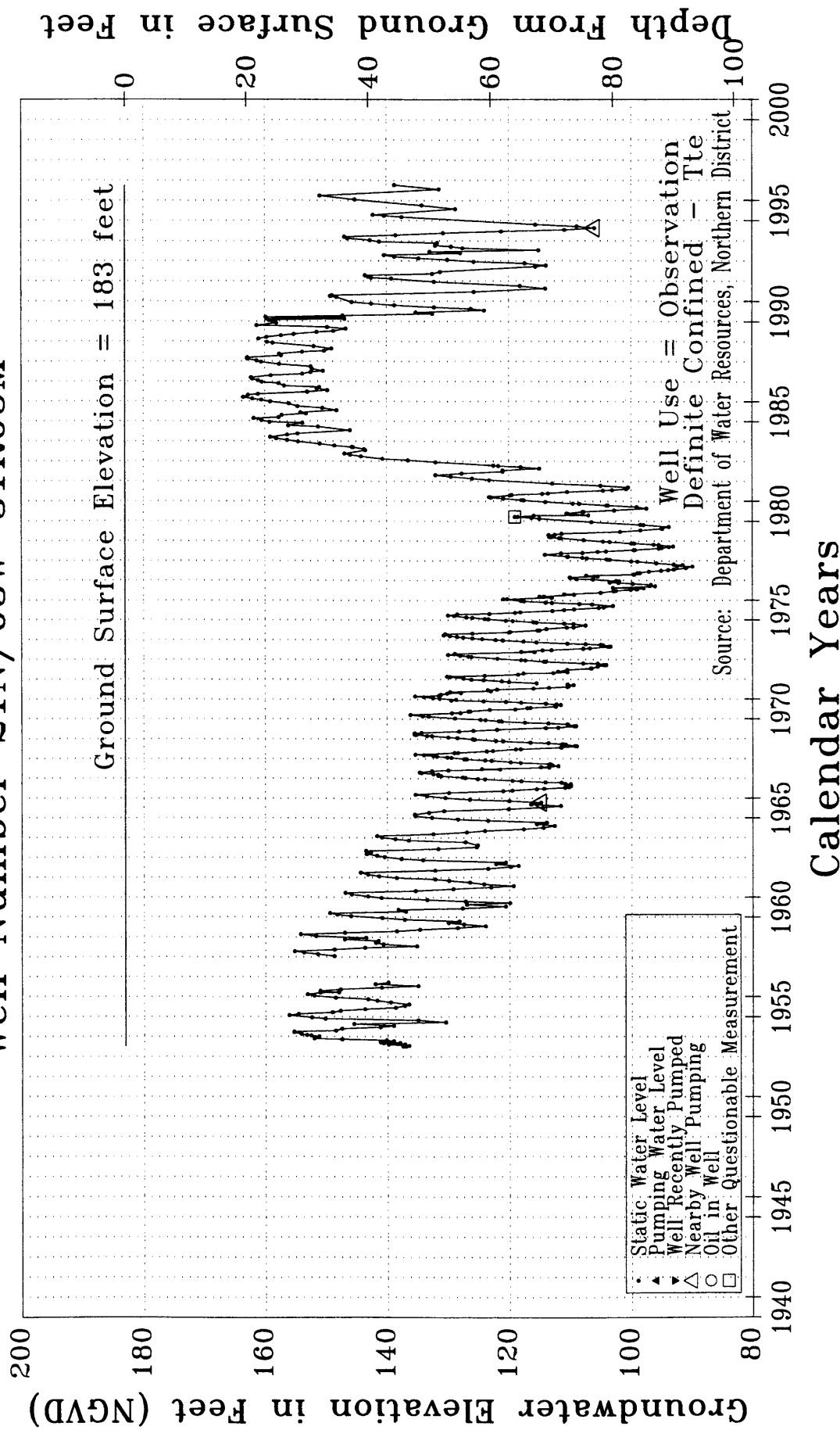
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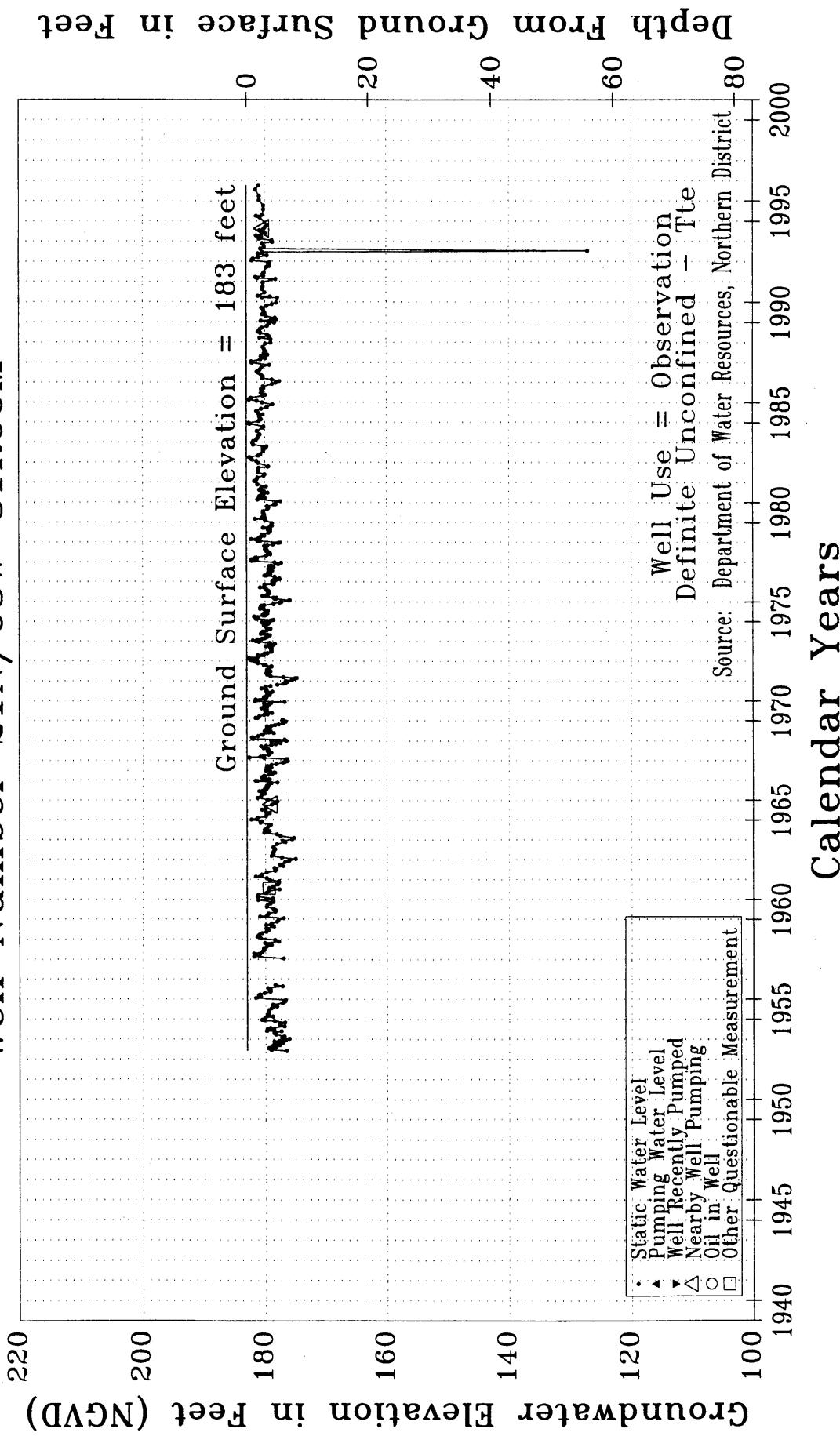
Sacramento Valley Groundwater Basin – Glenn County  
Well Number 21N/03W–31R04M



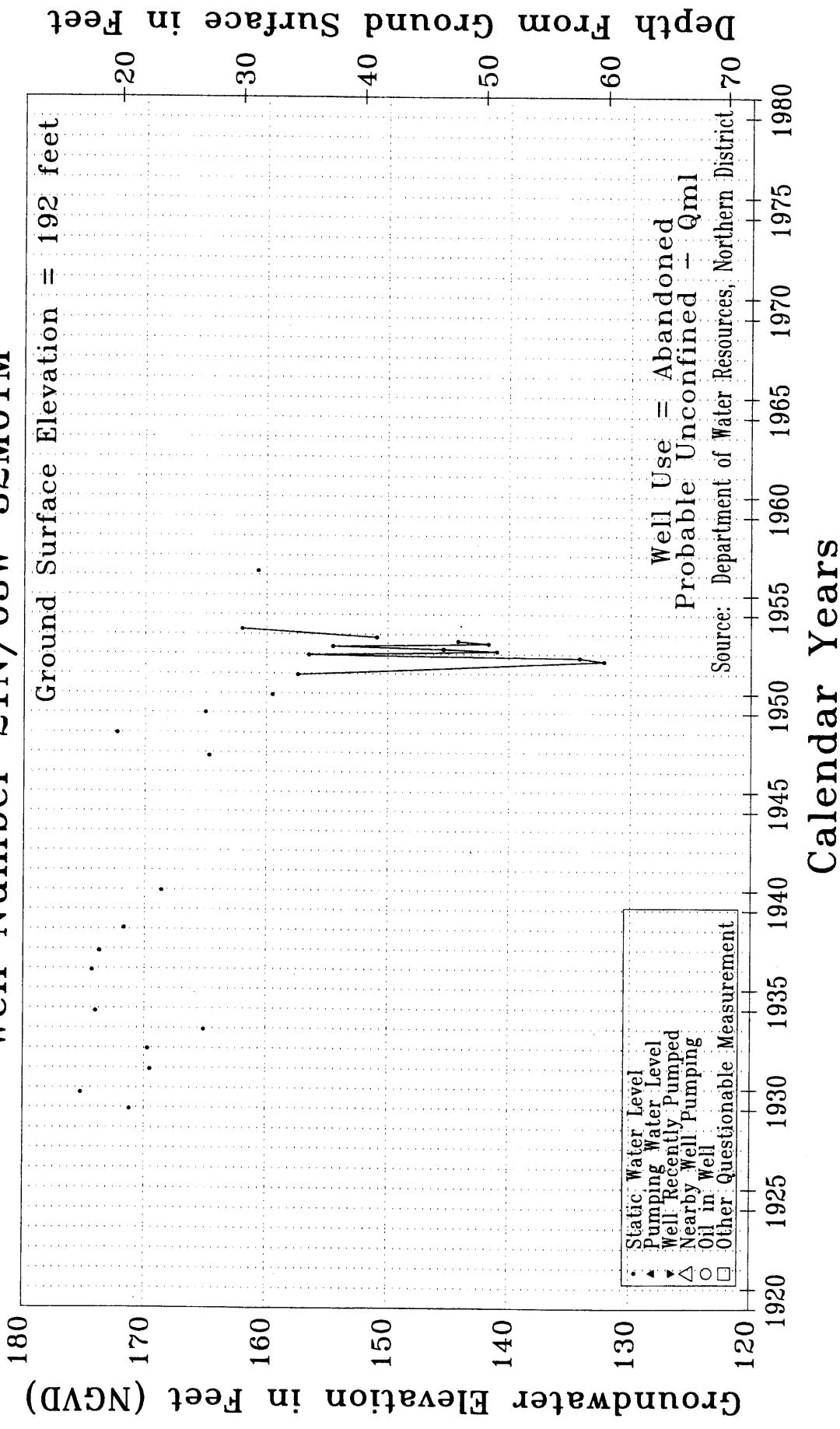
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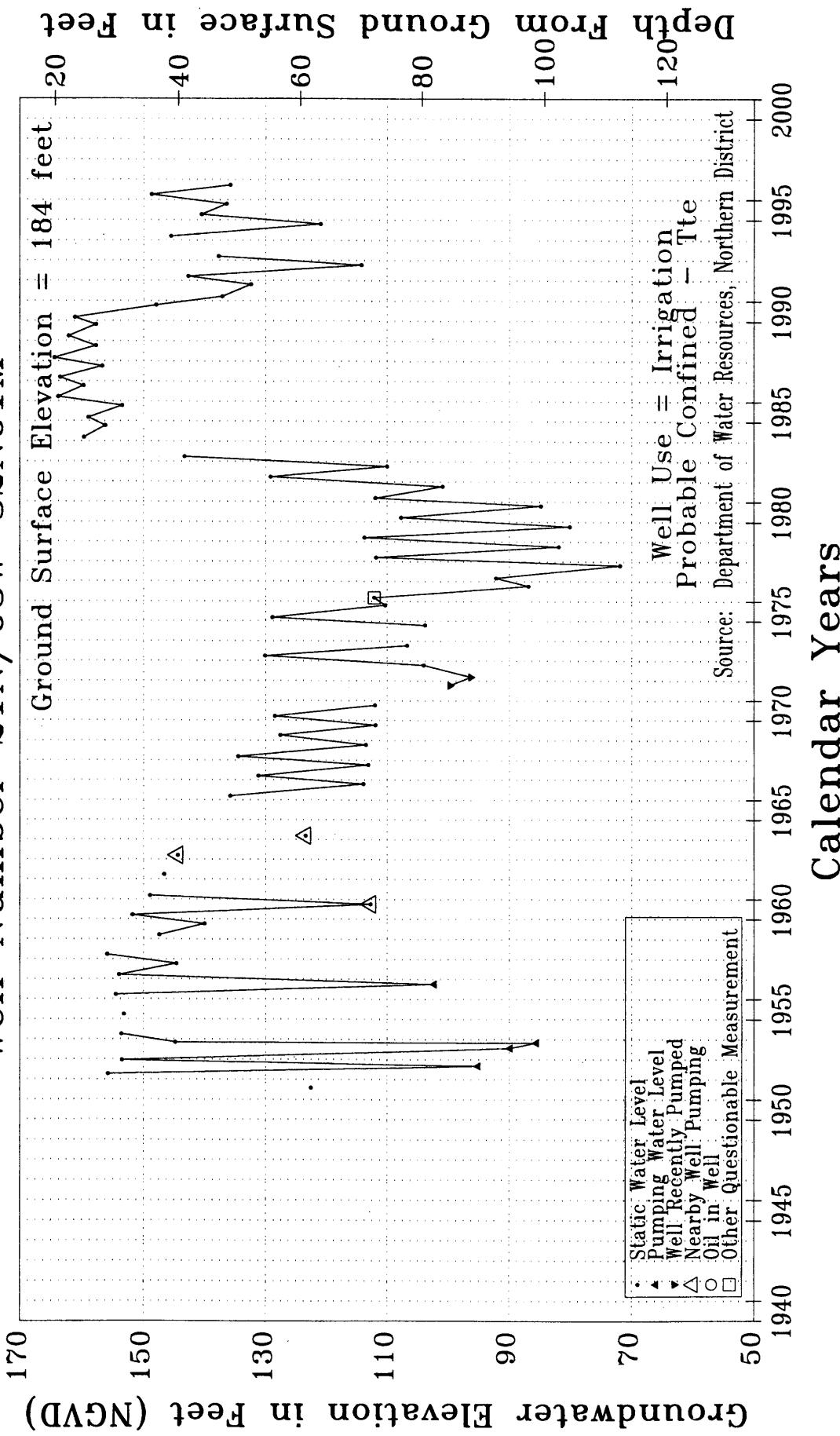
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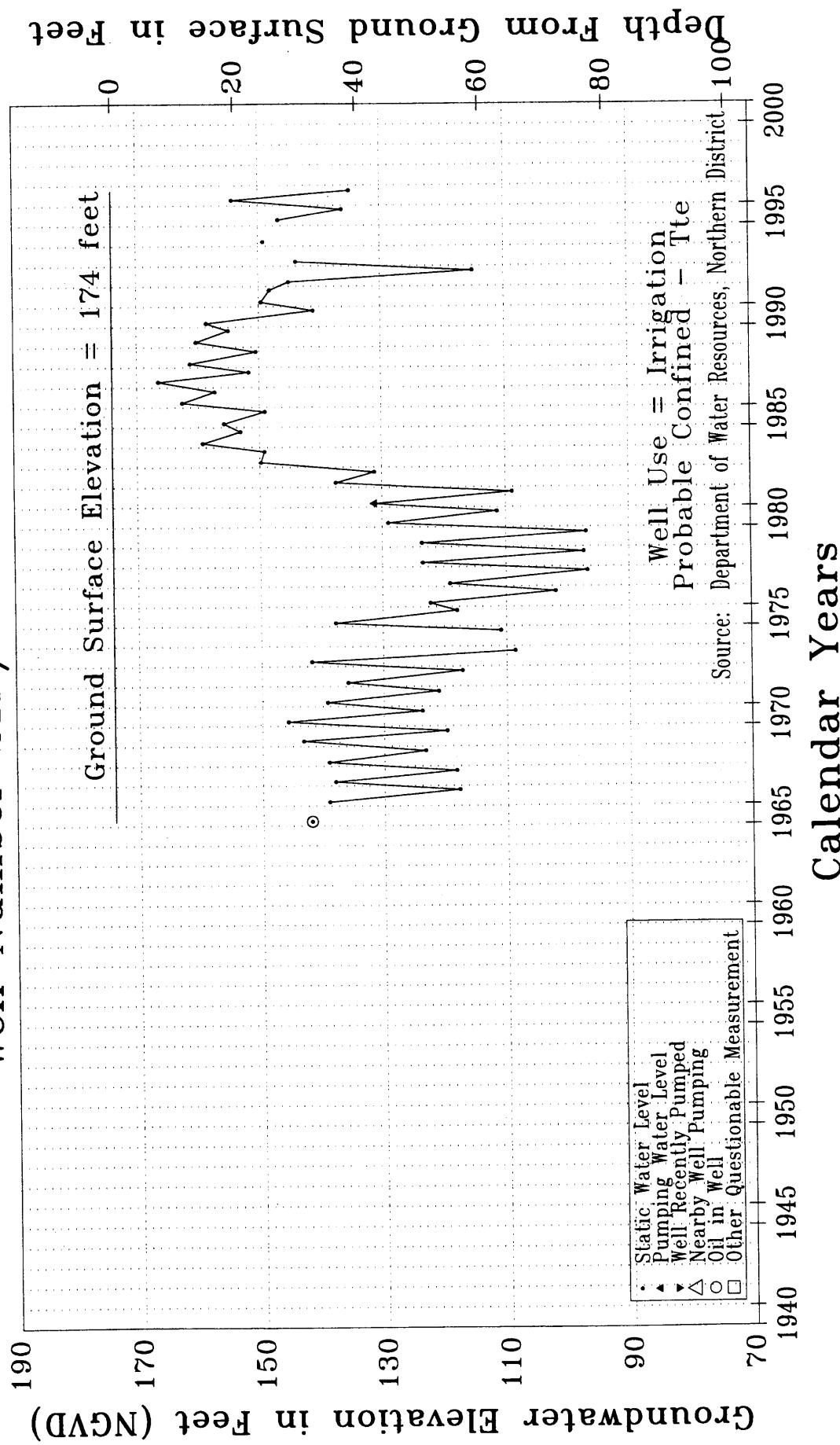
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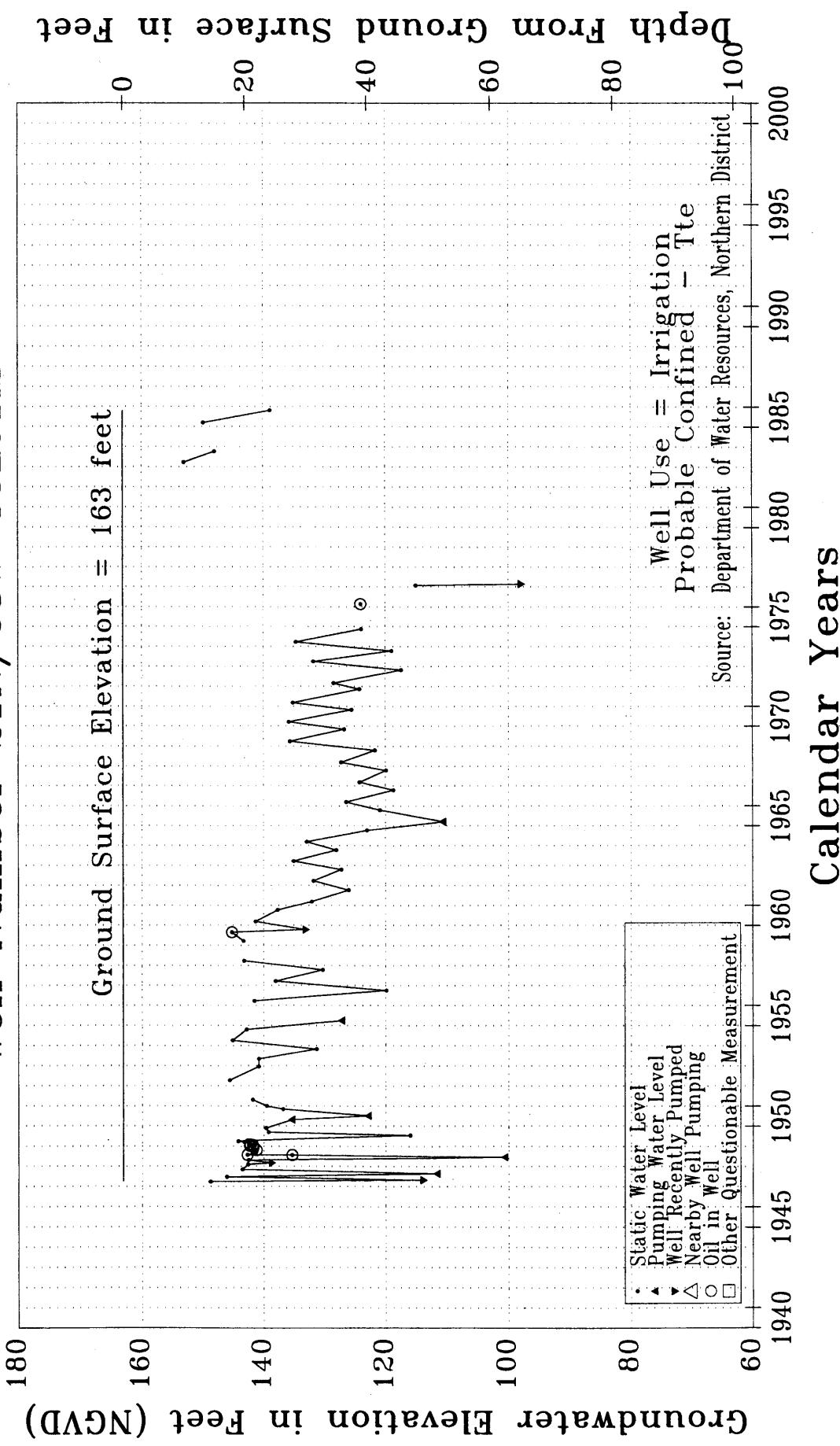
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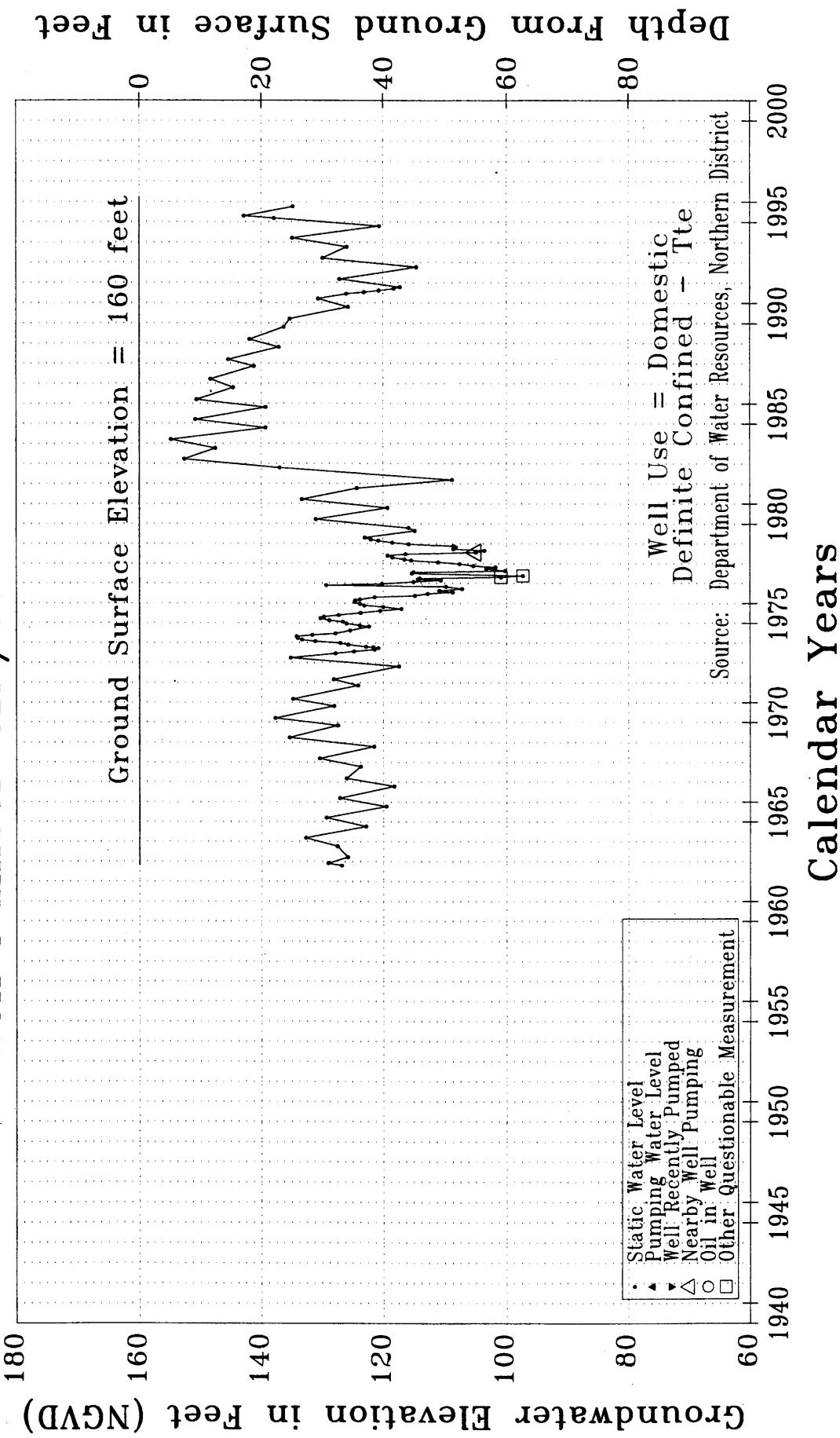
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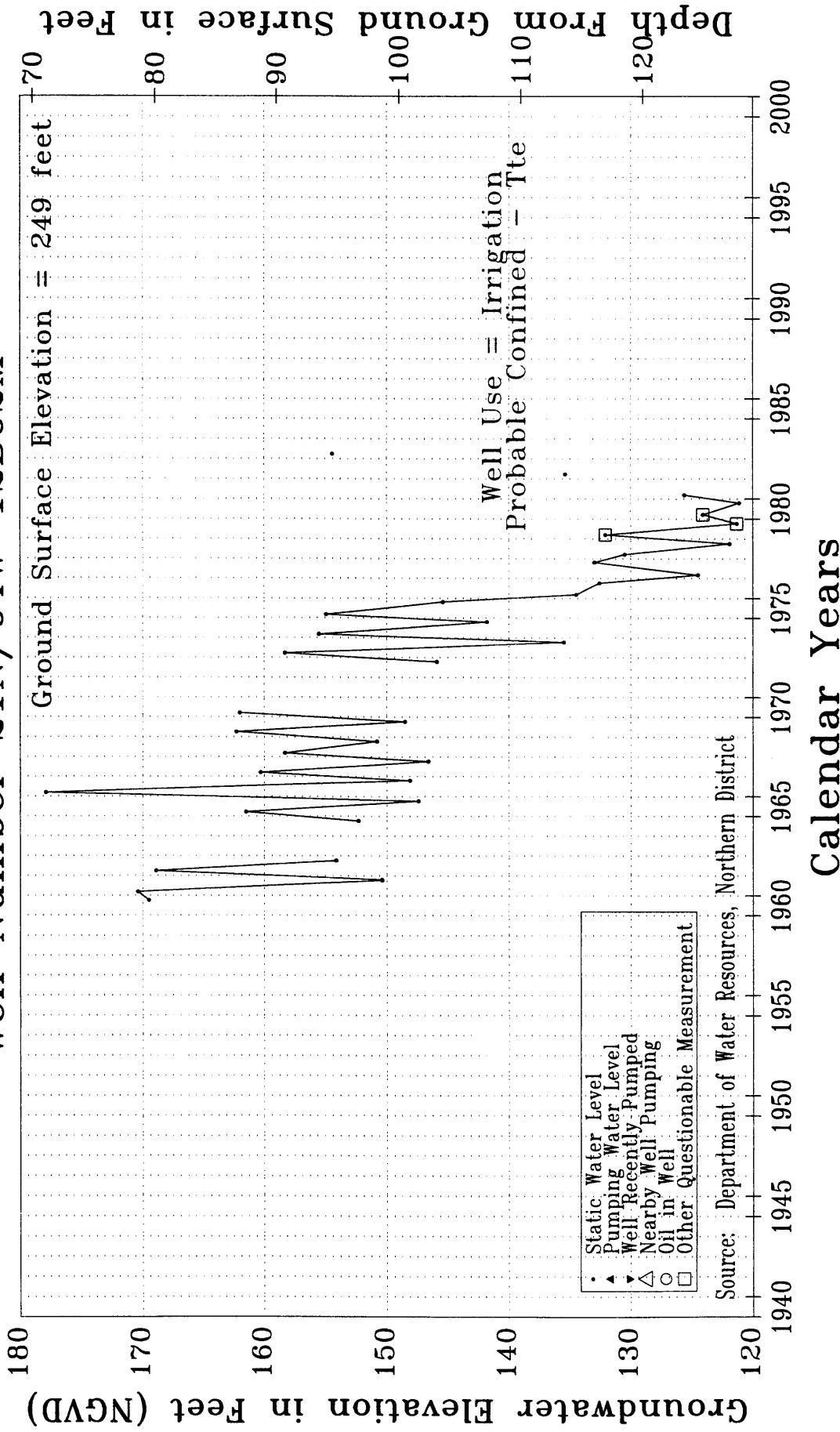
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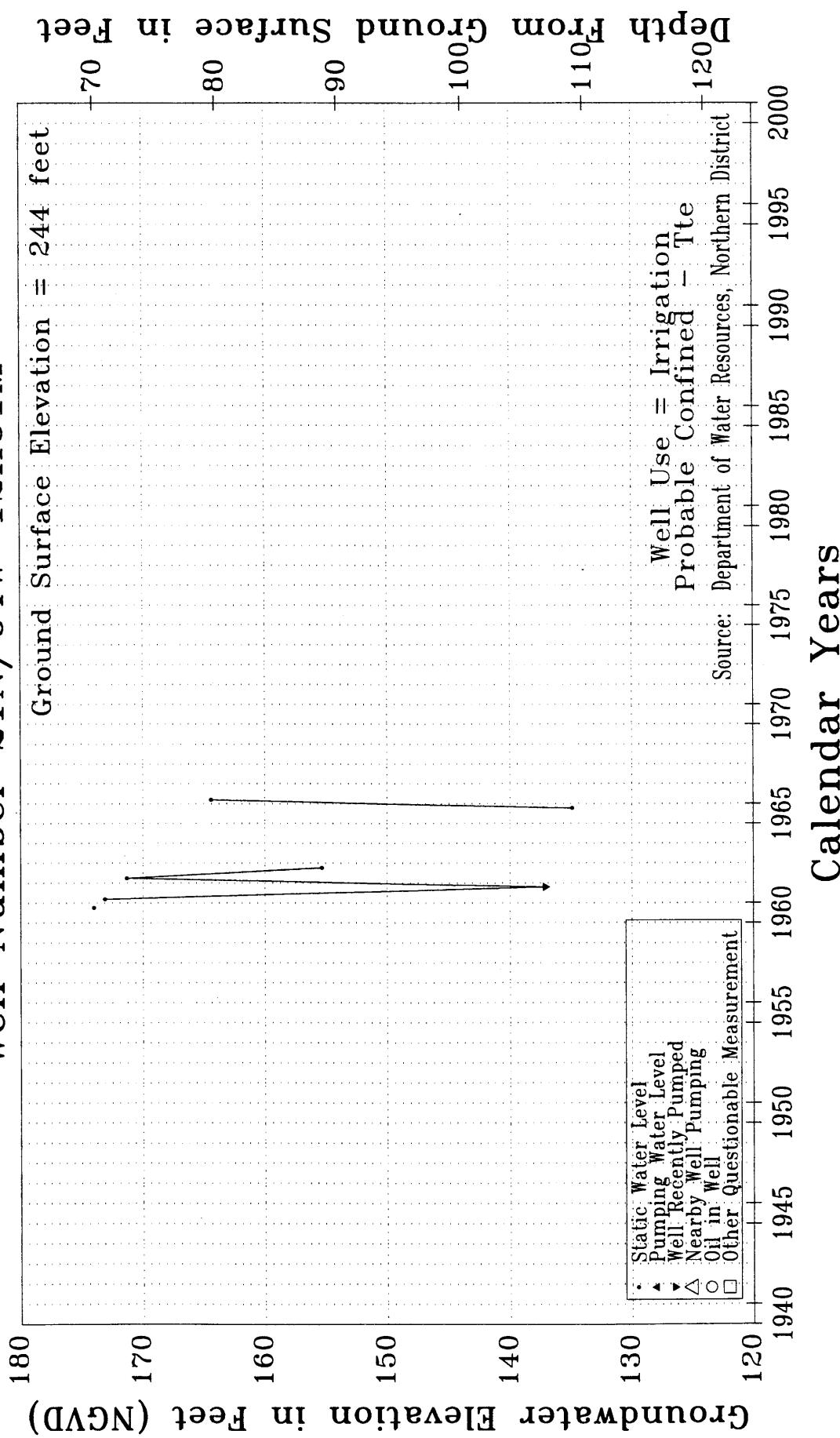
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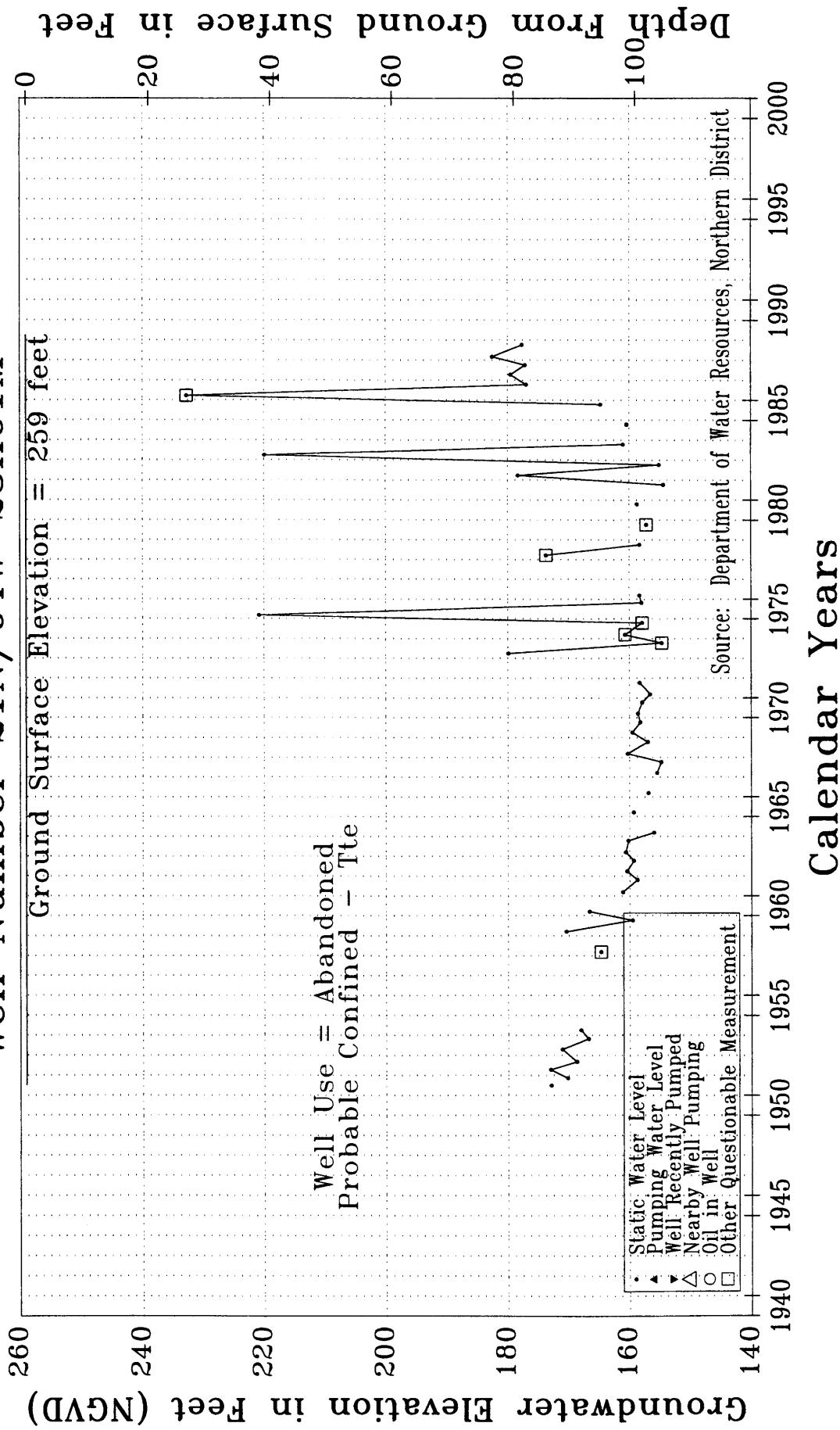
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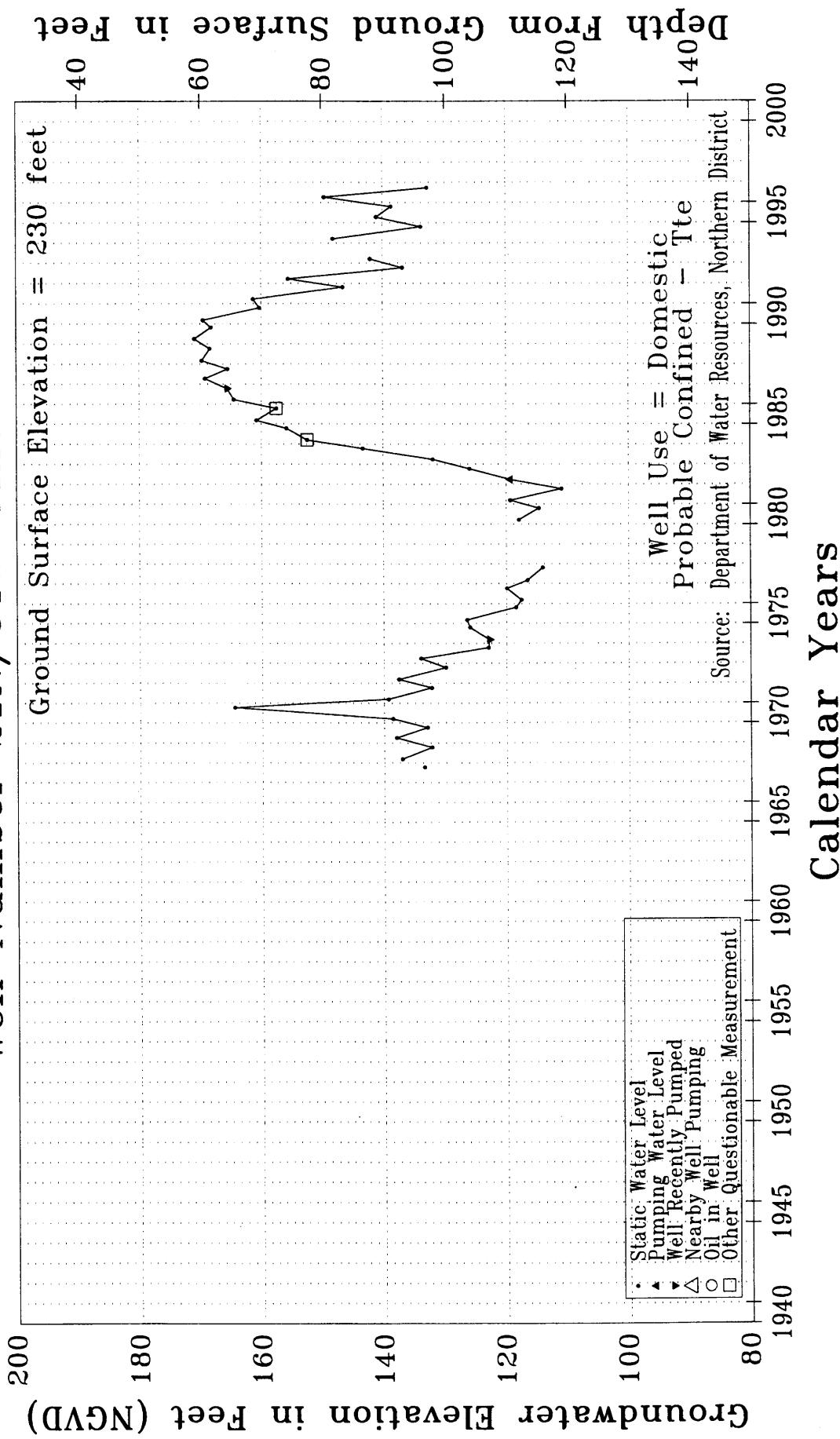
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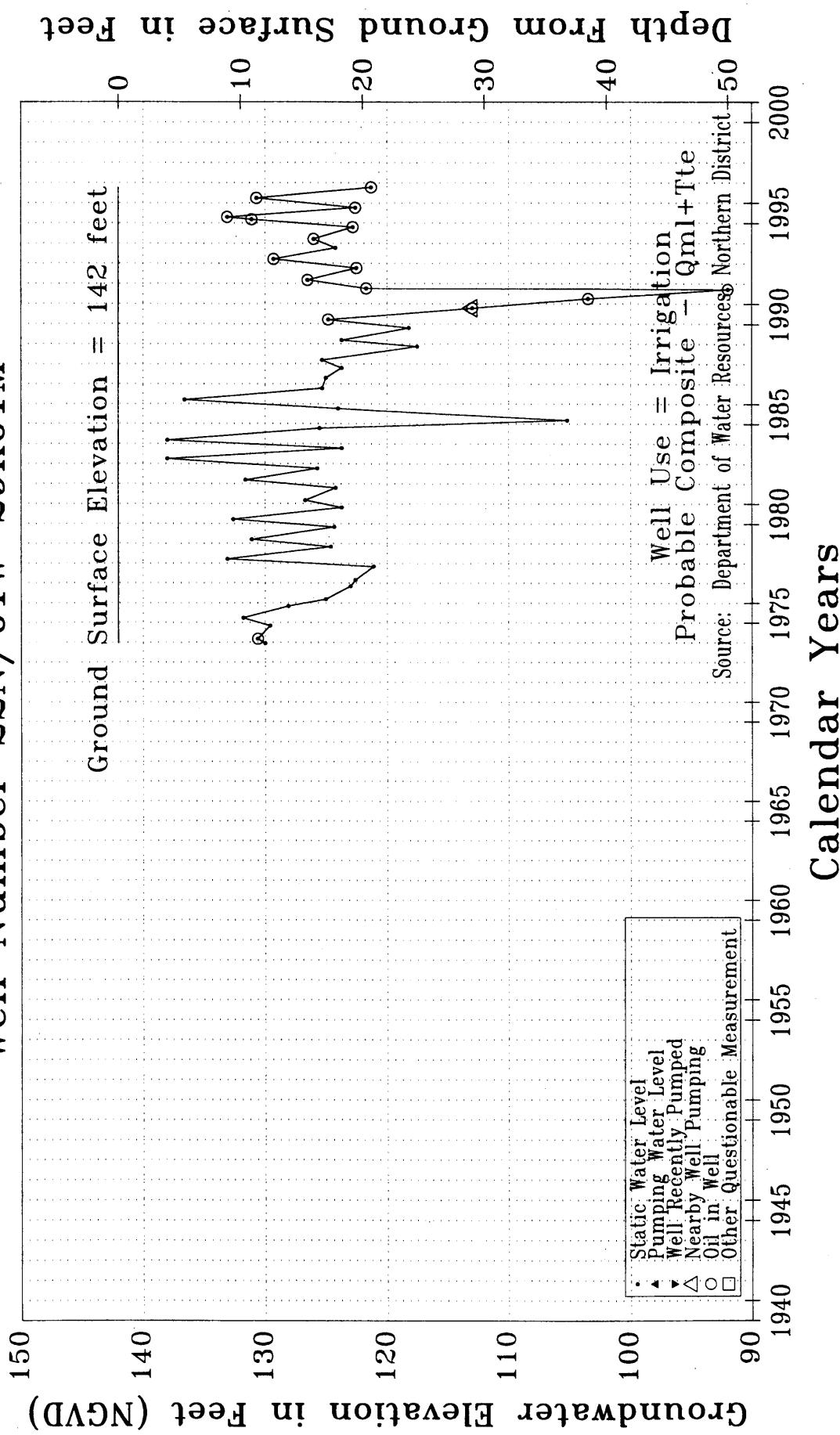
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**Well Number 21N/04W-23H01M**



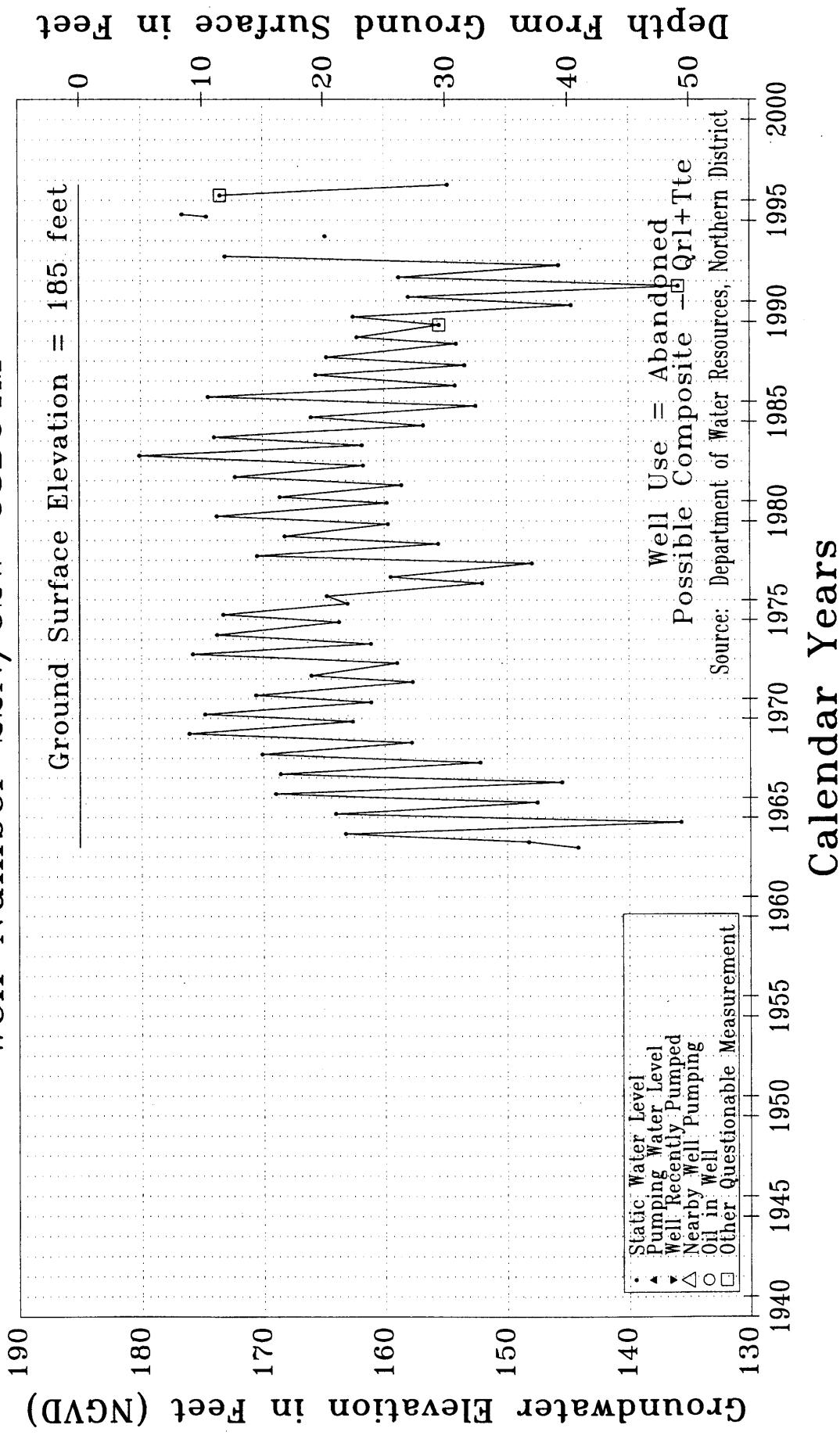
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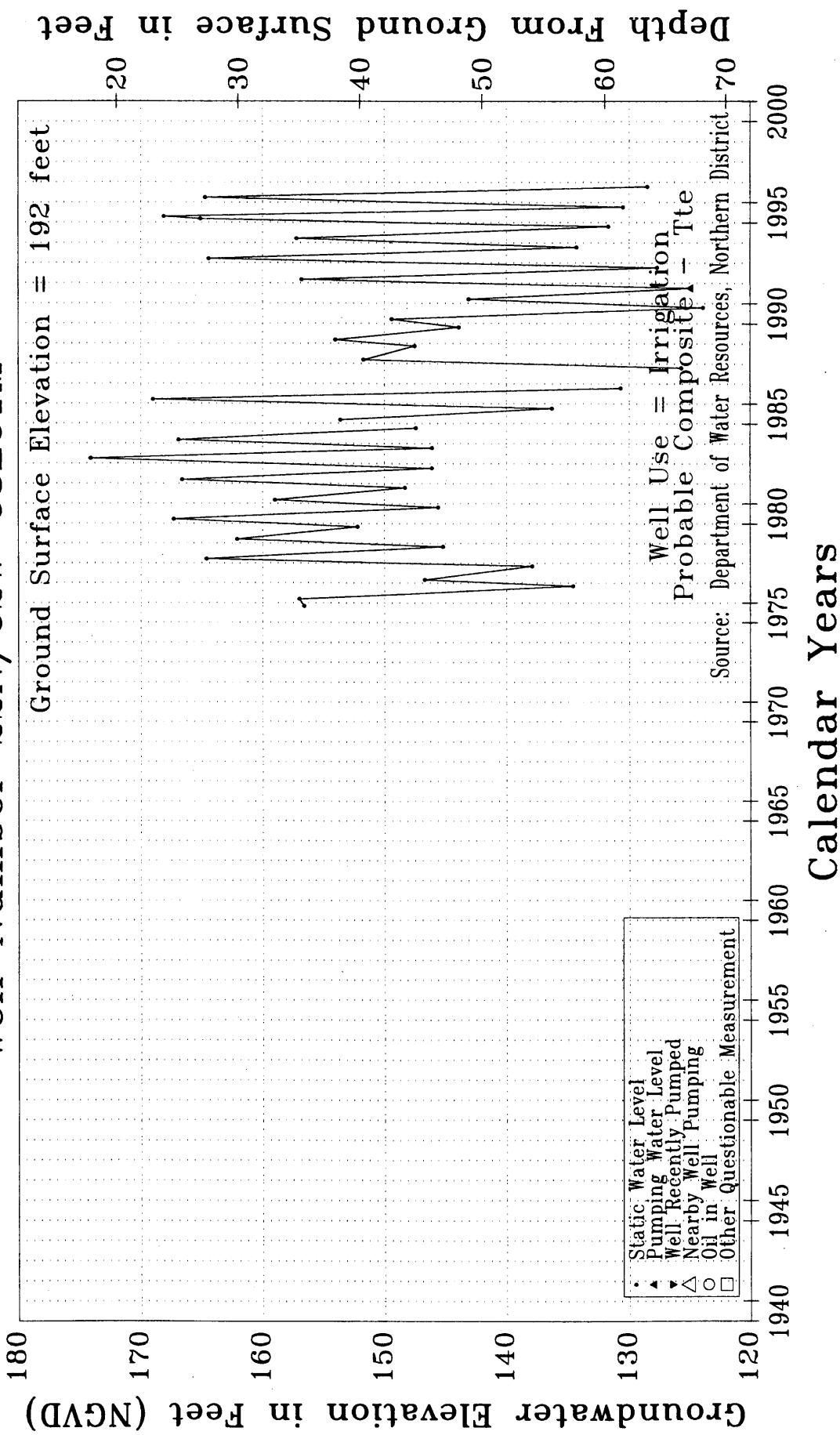
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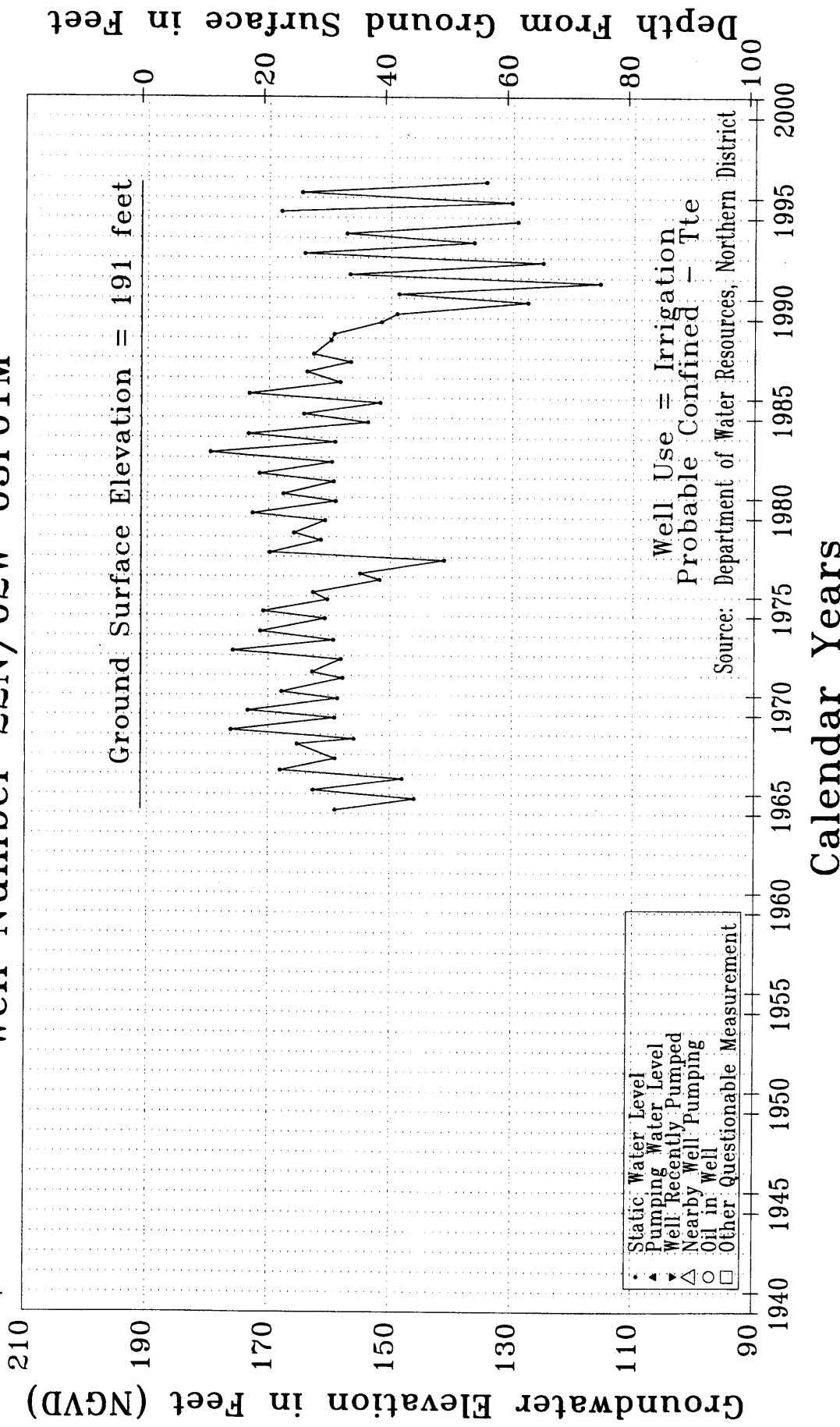
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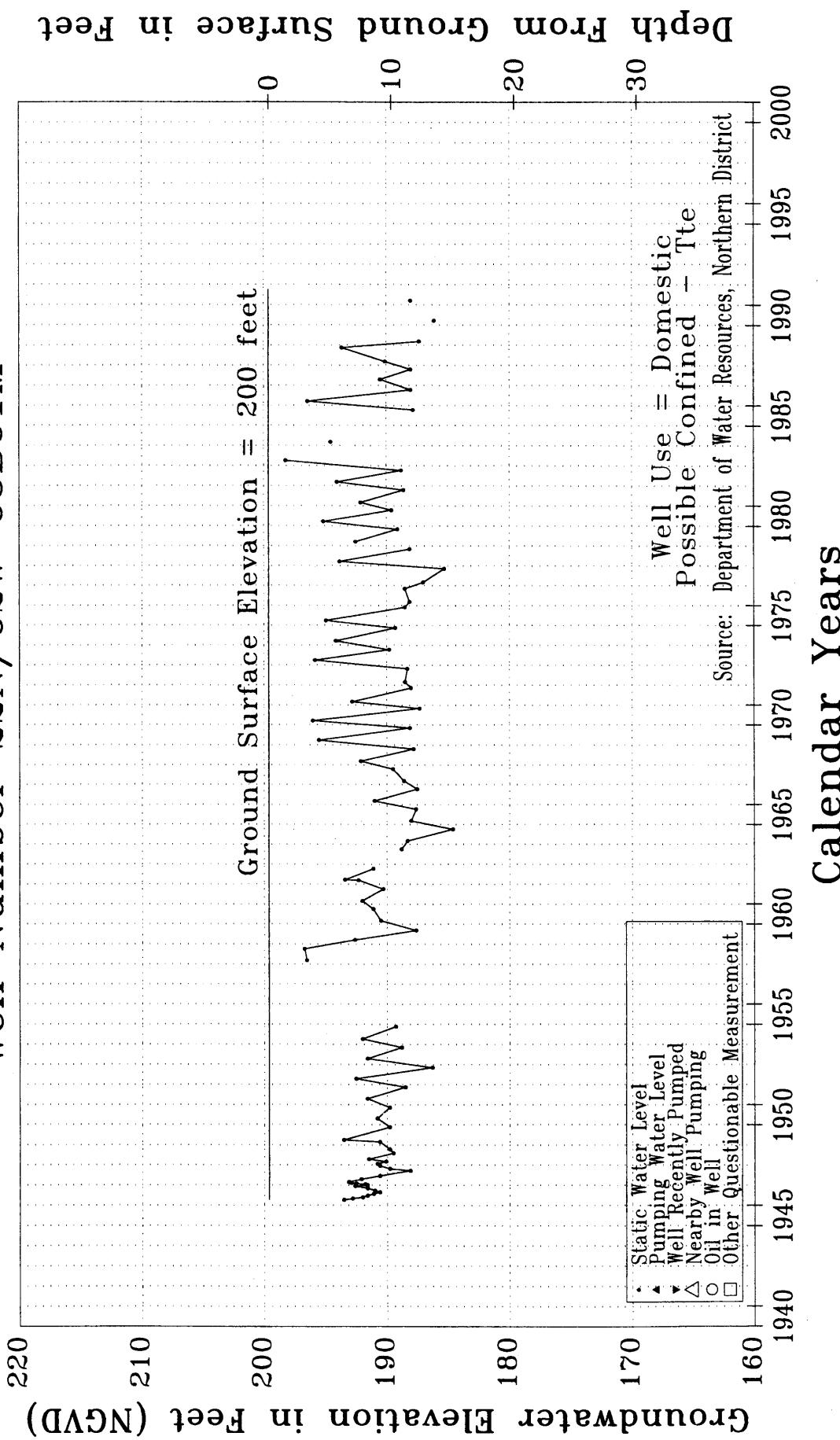
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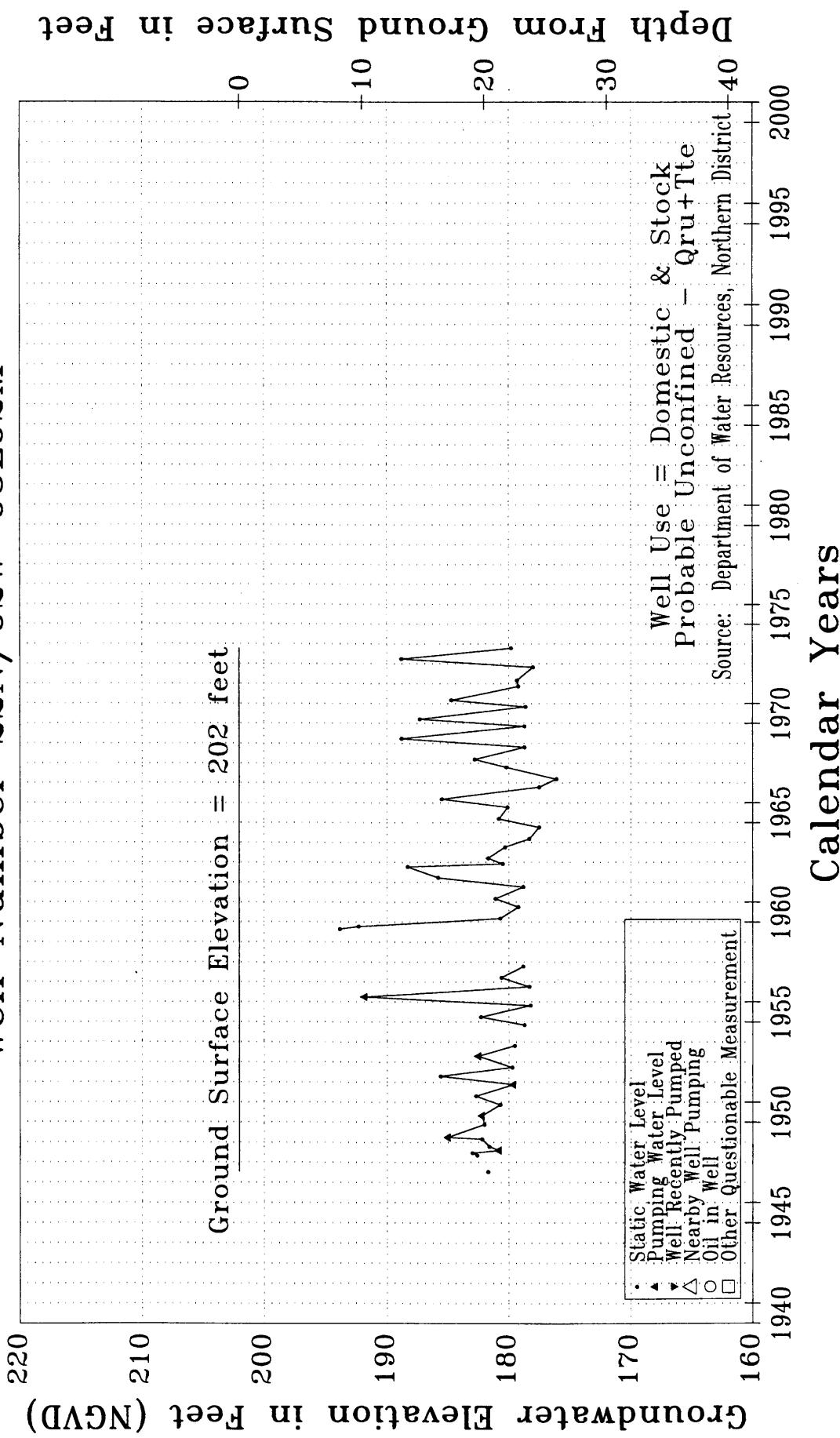
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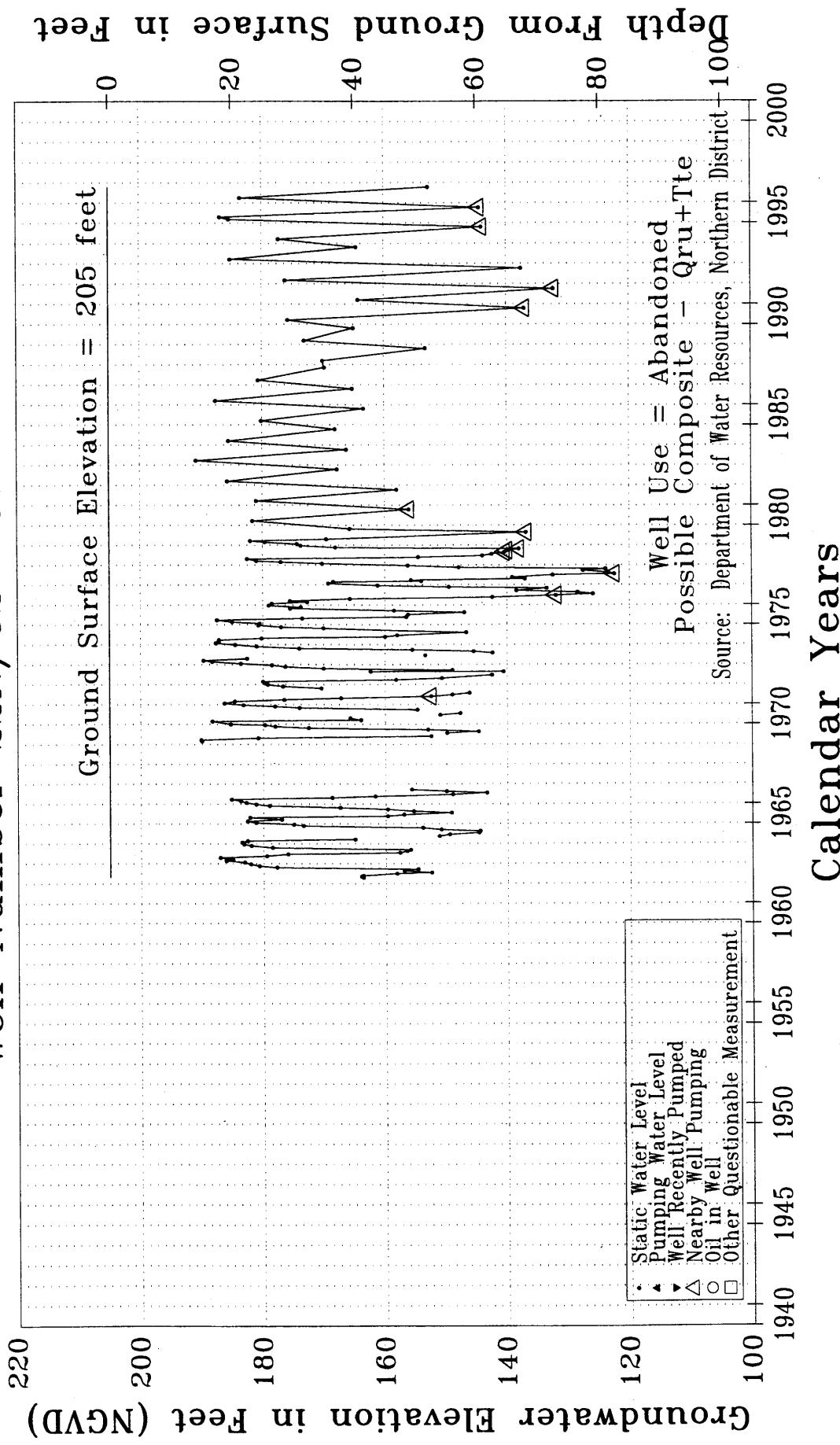
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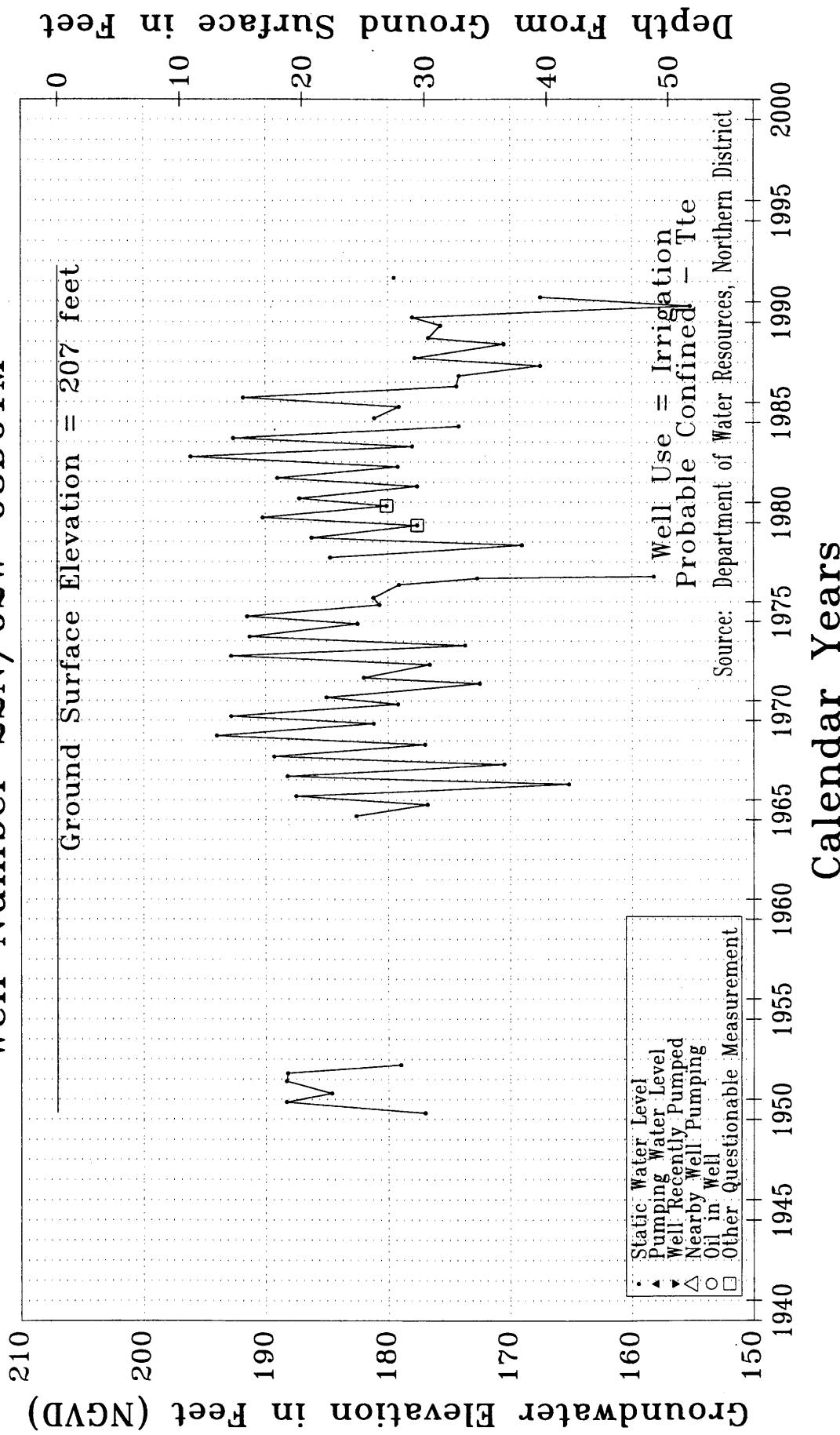
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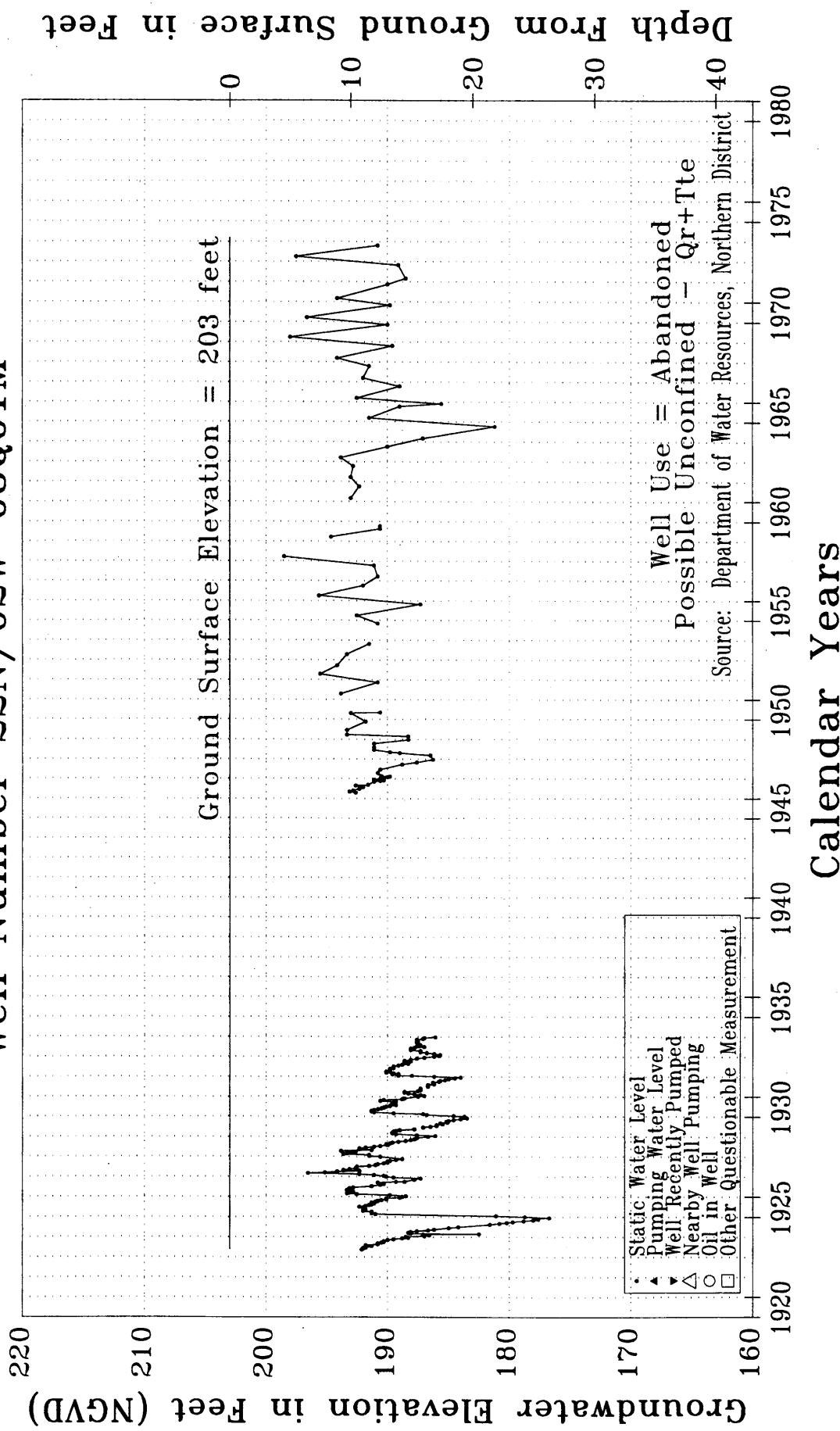
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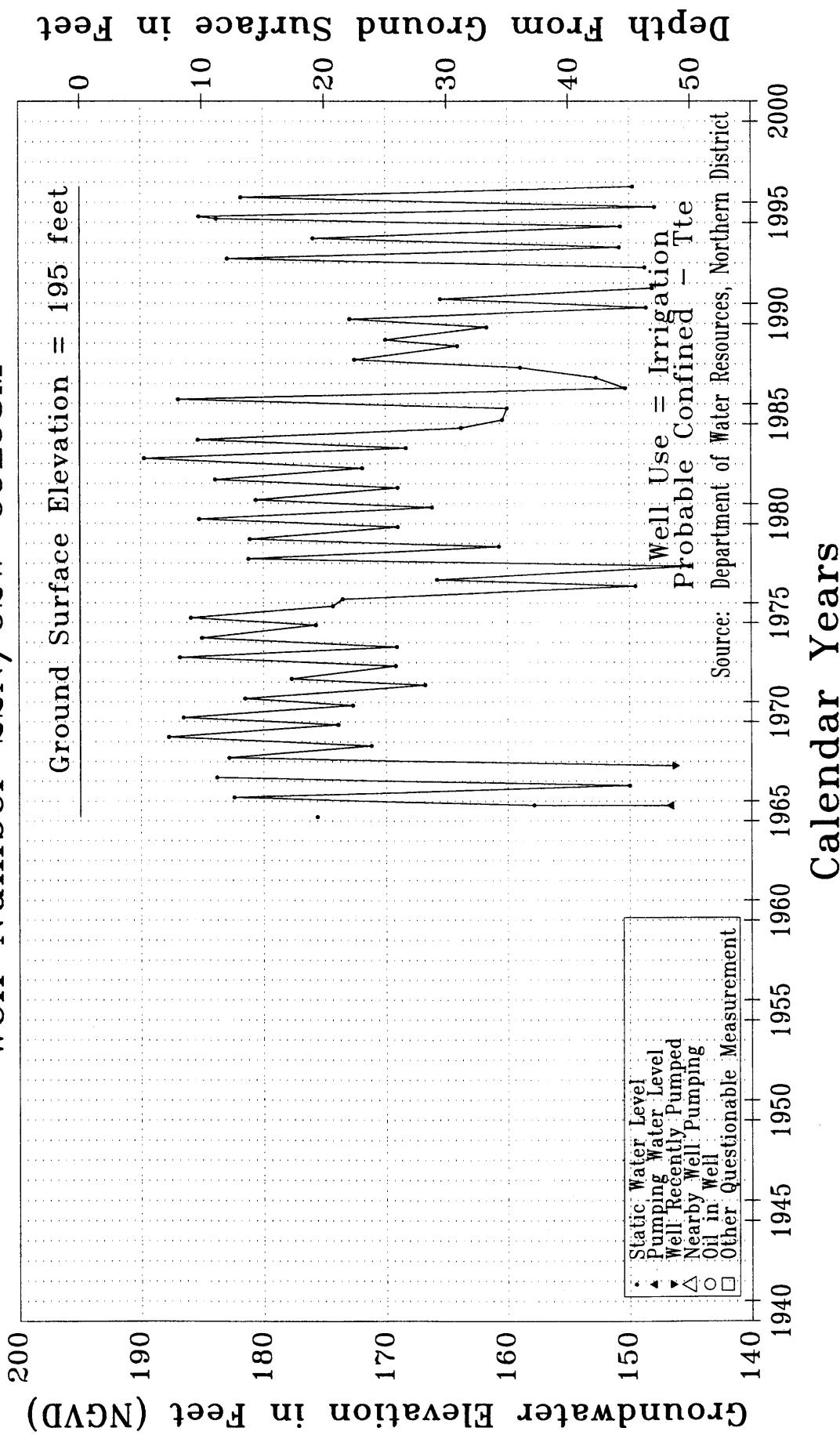
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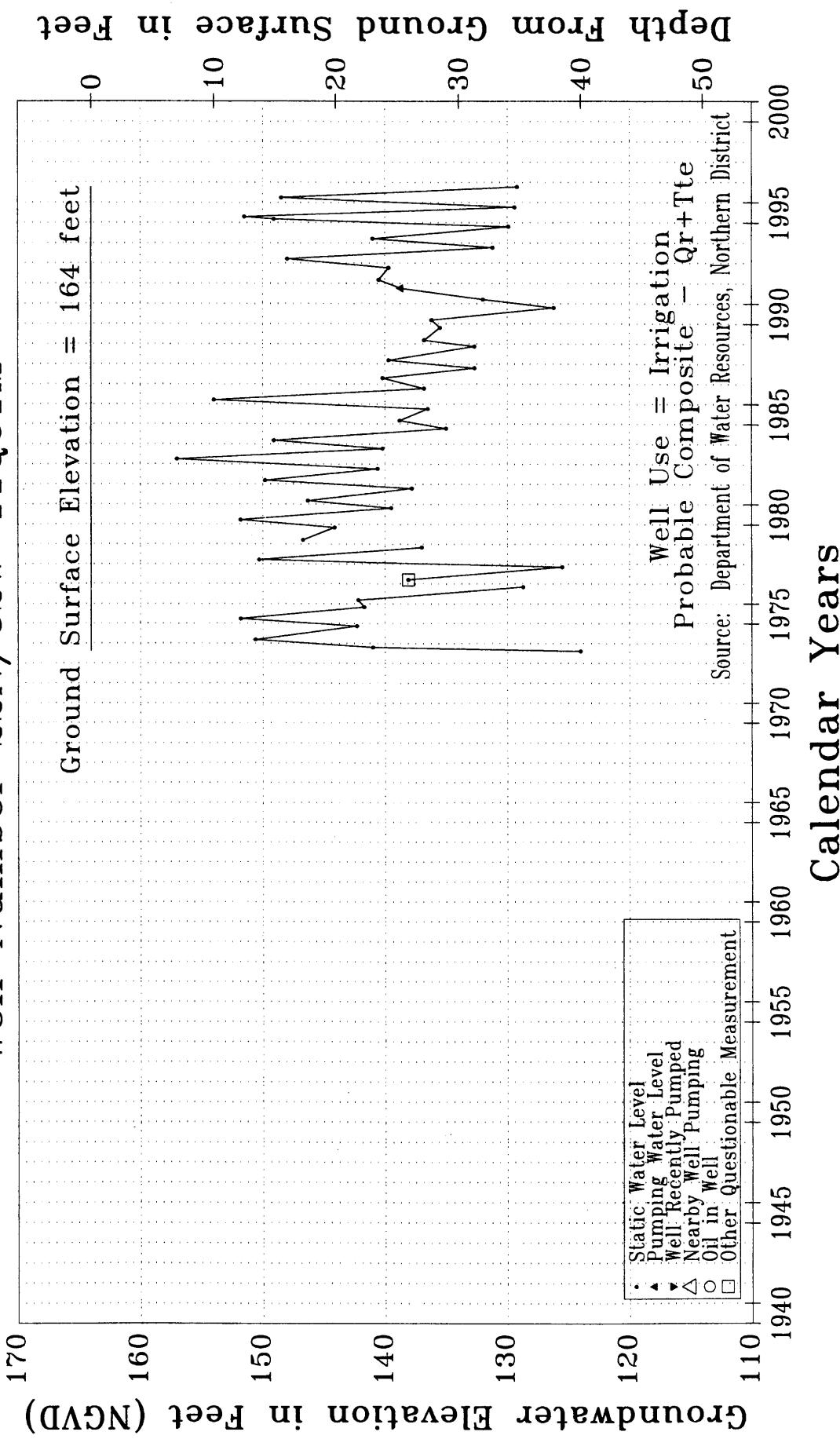
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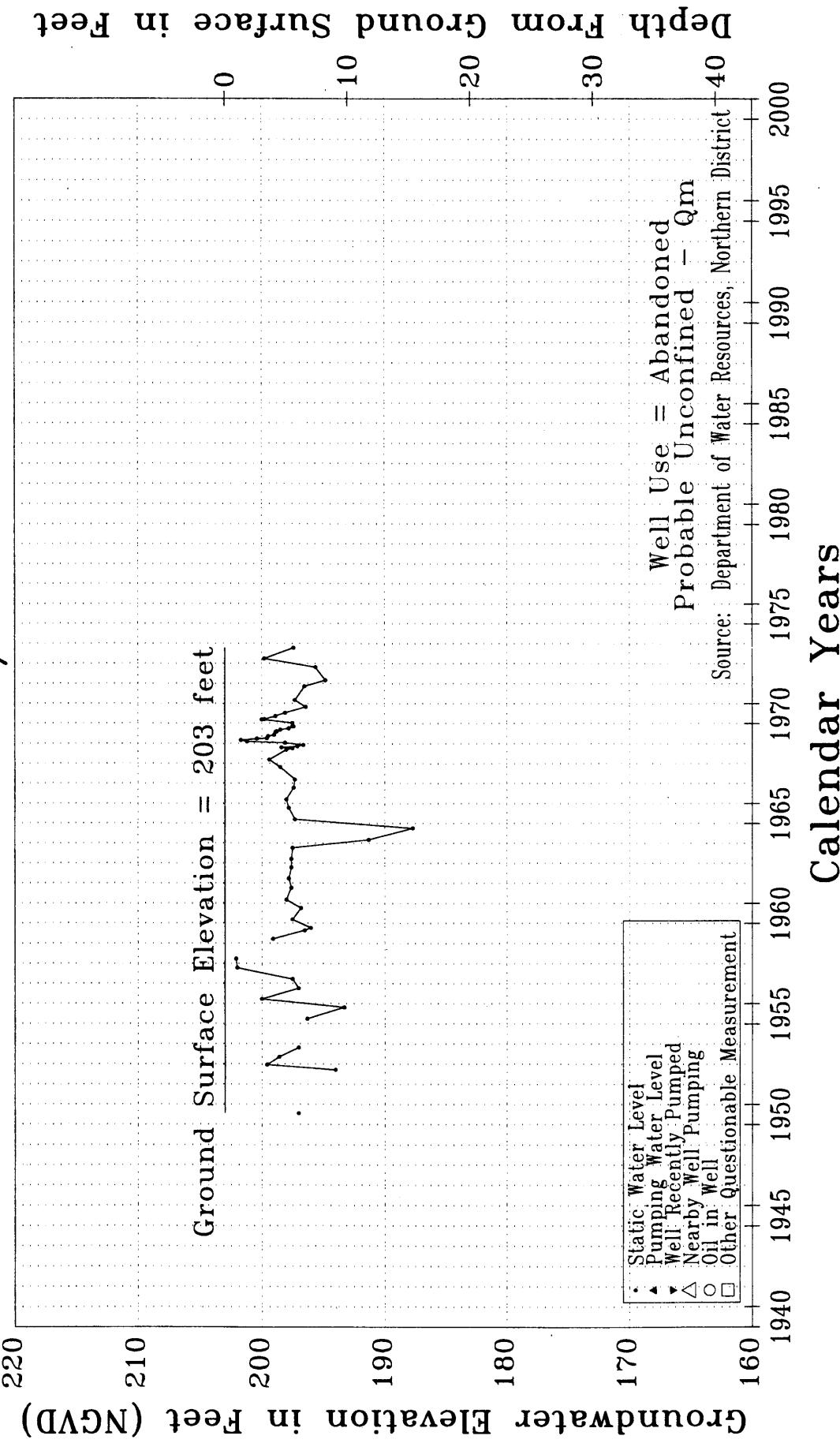
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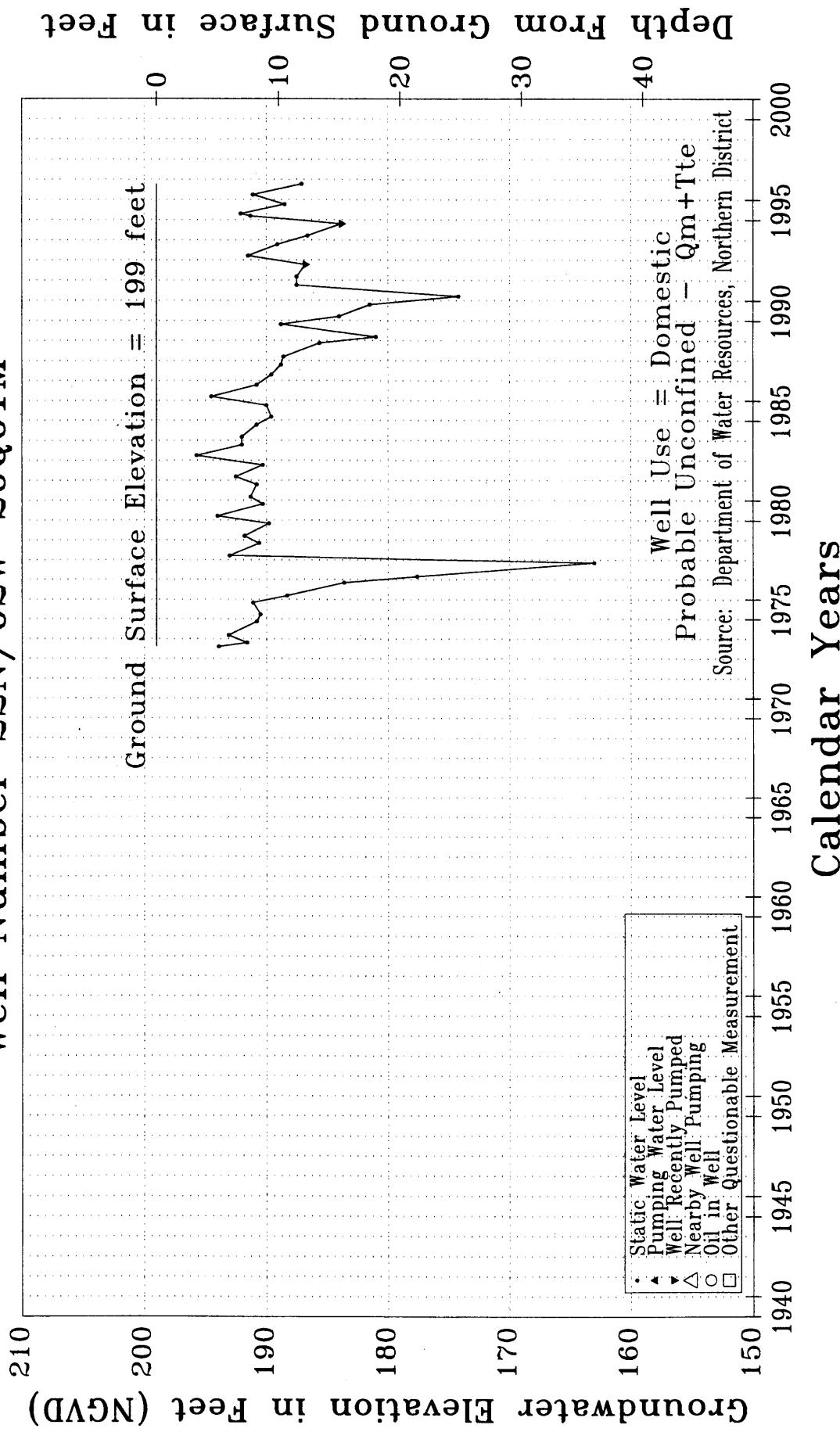
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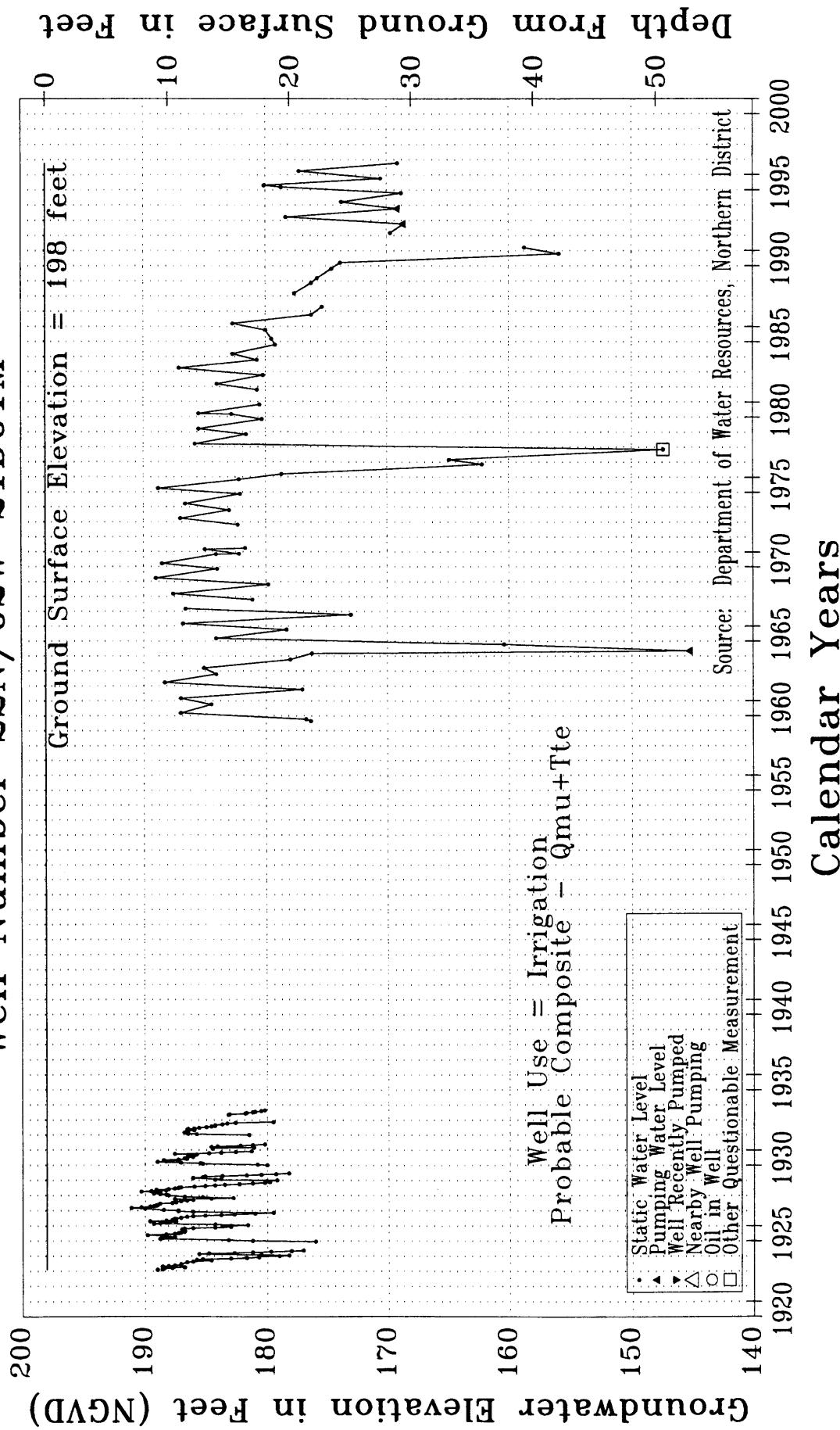
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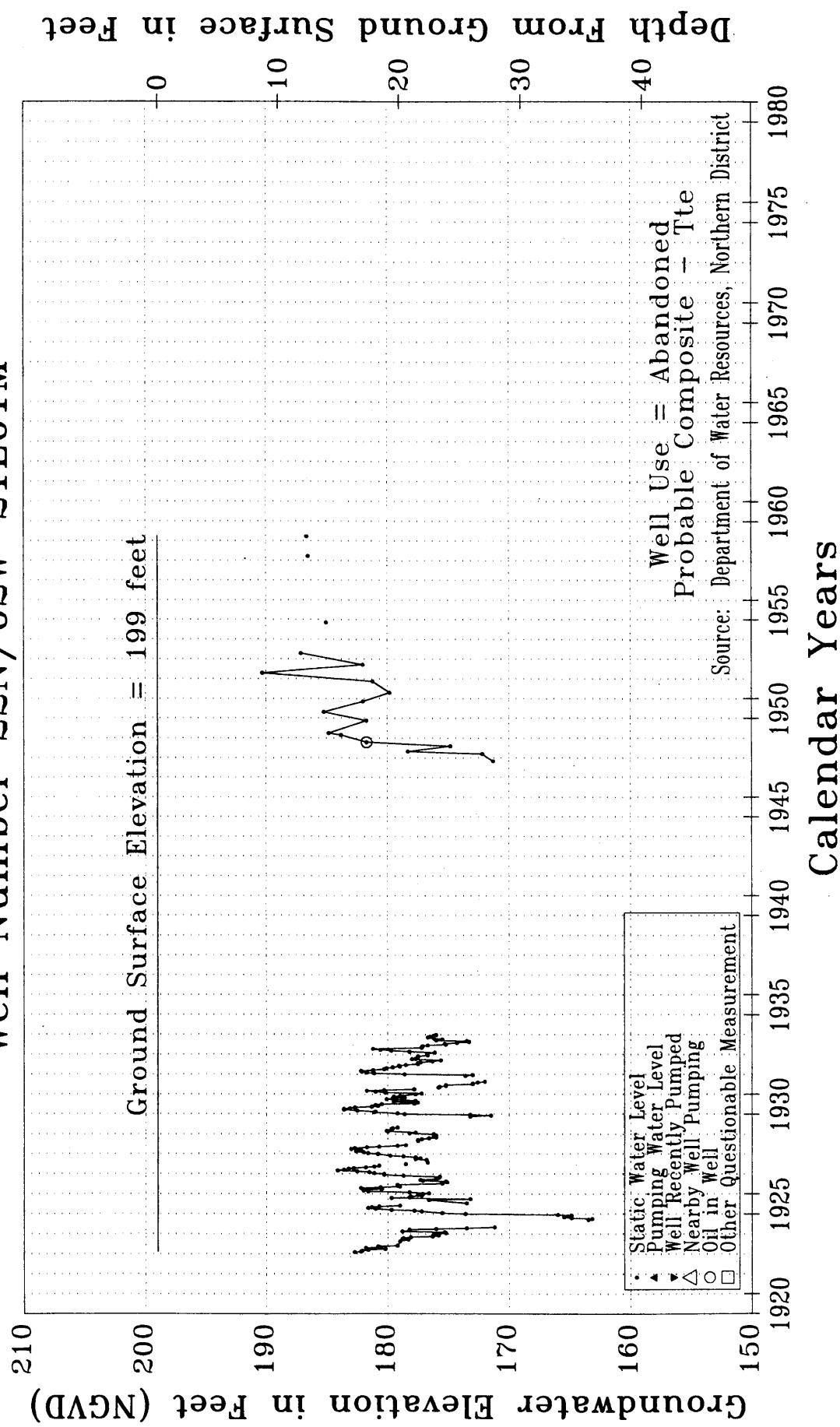
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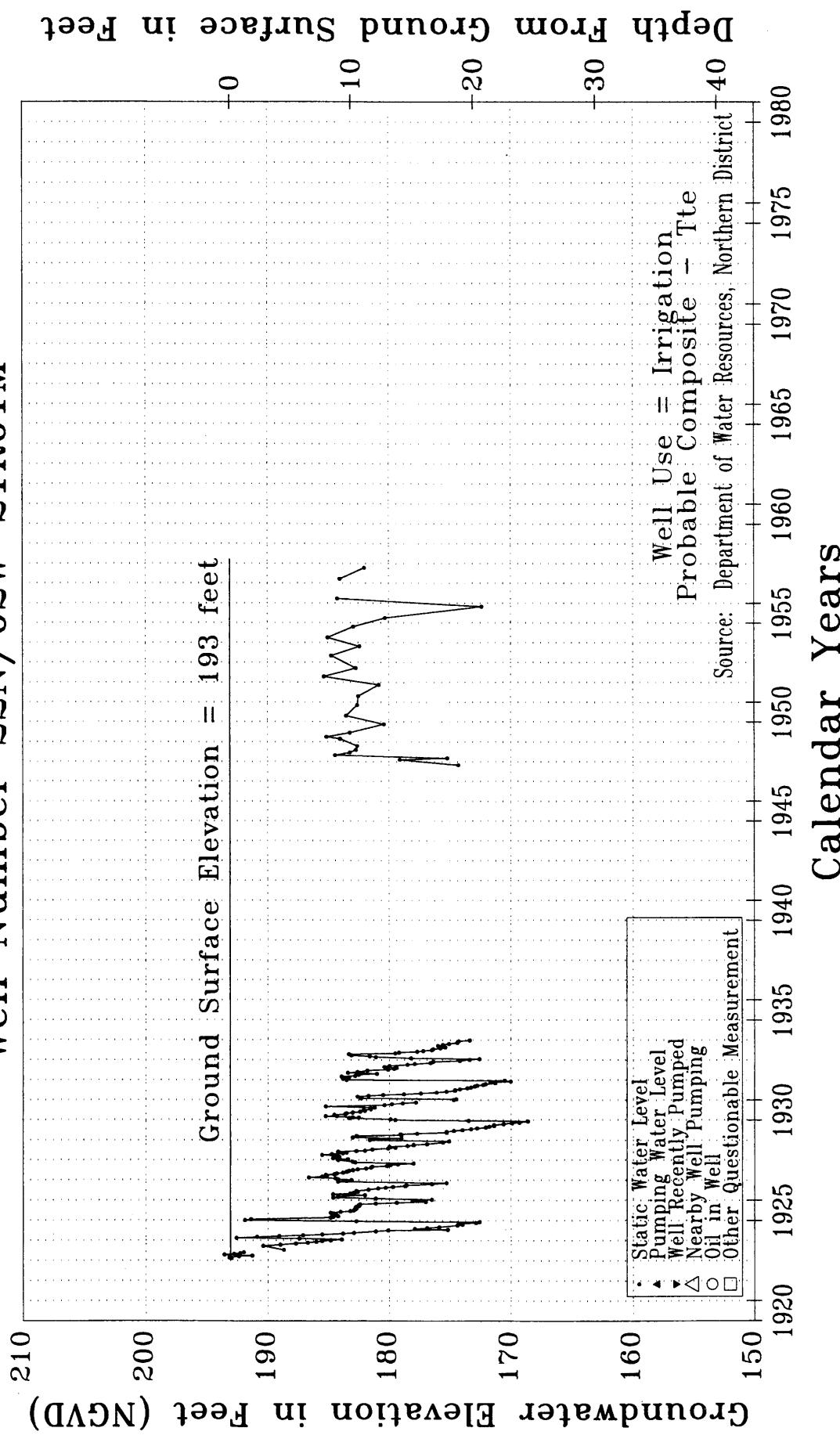
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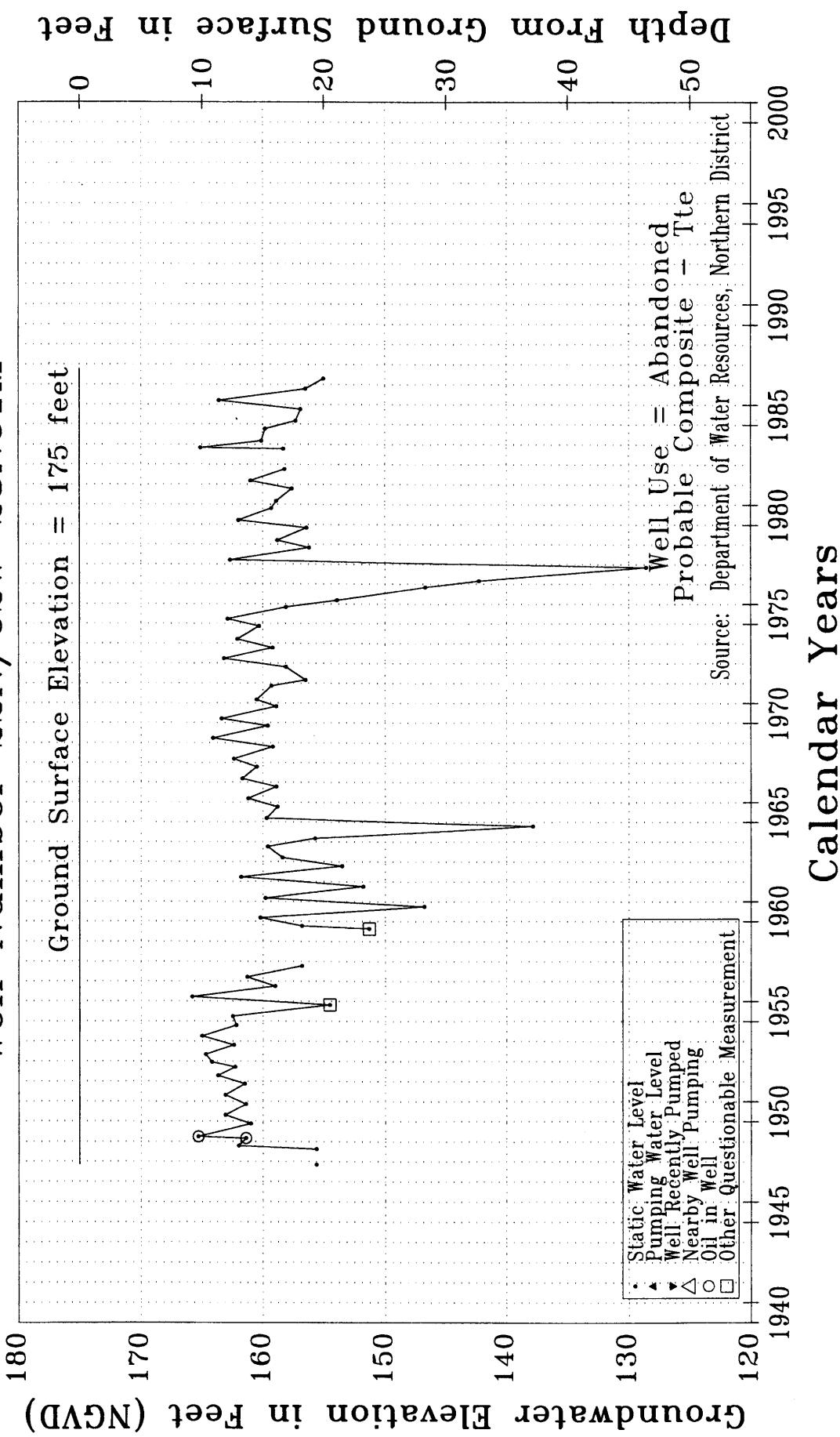
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Well Number 22N/02W-21E01M



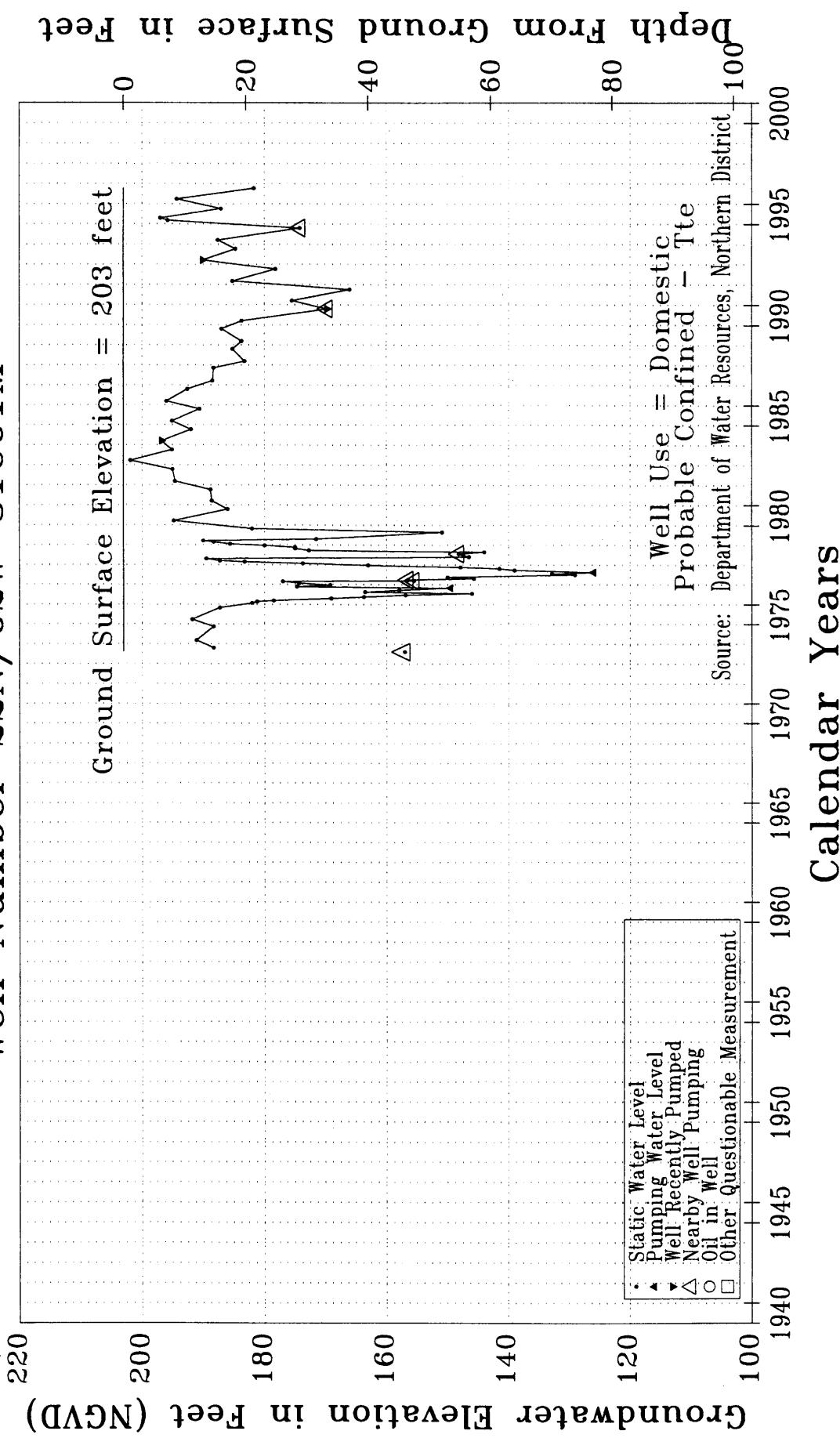
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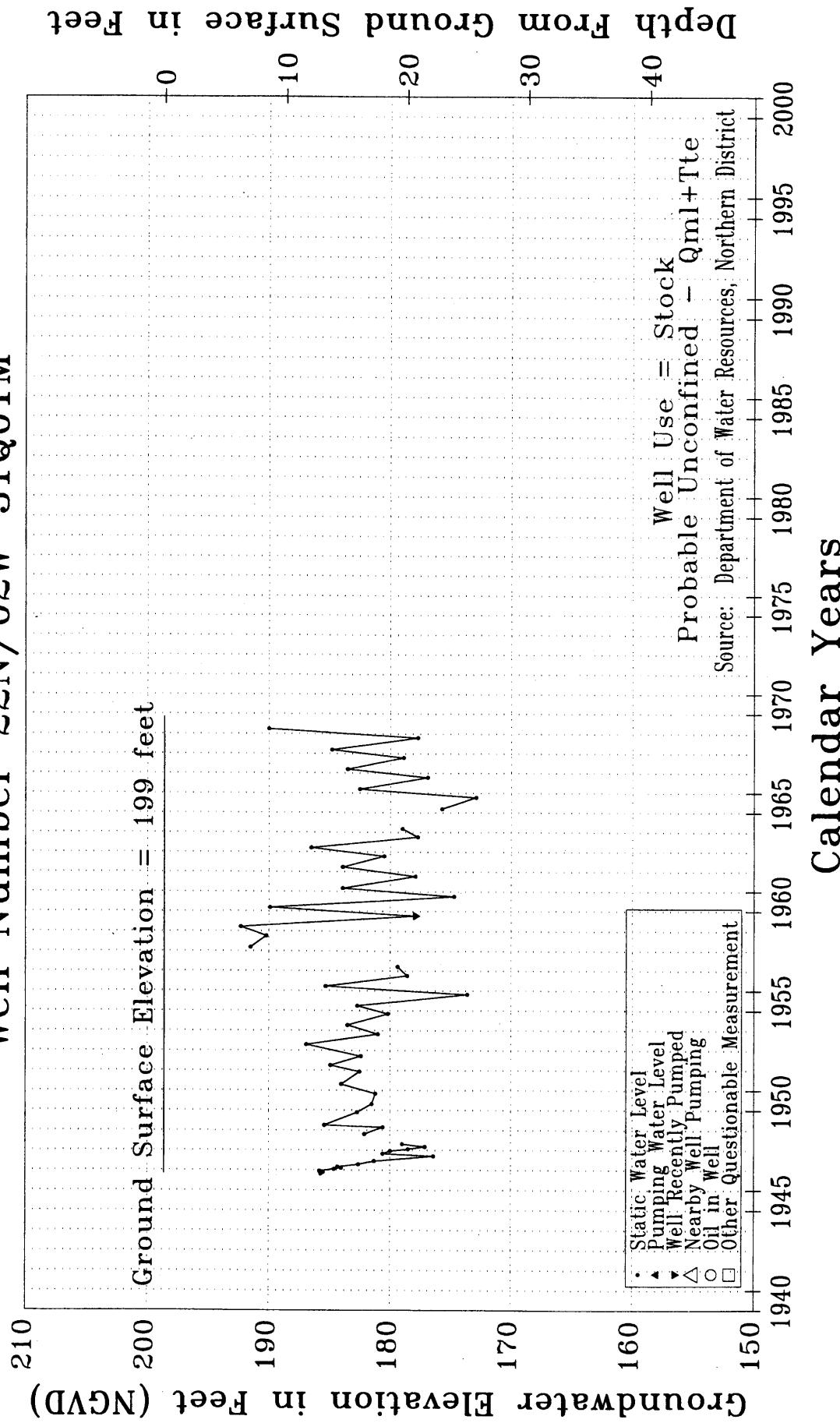
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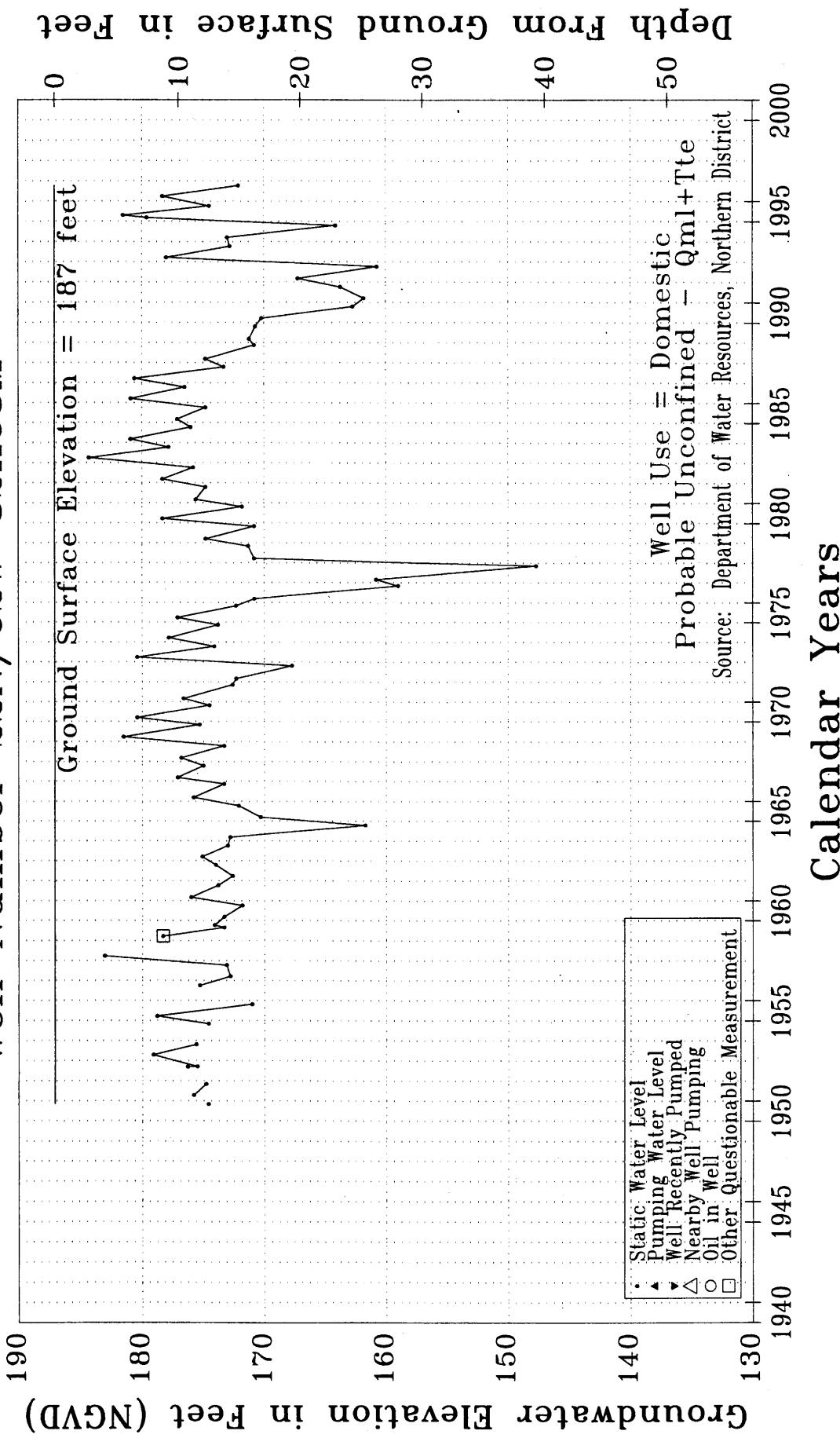
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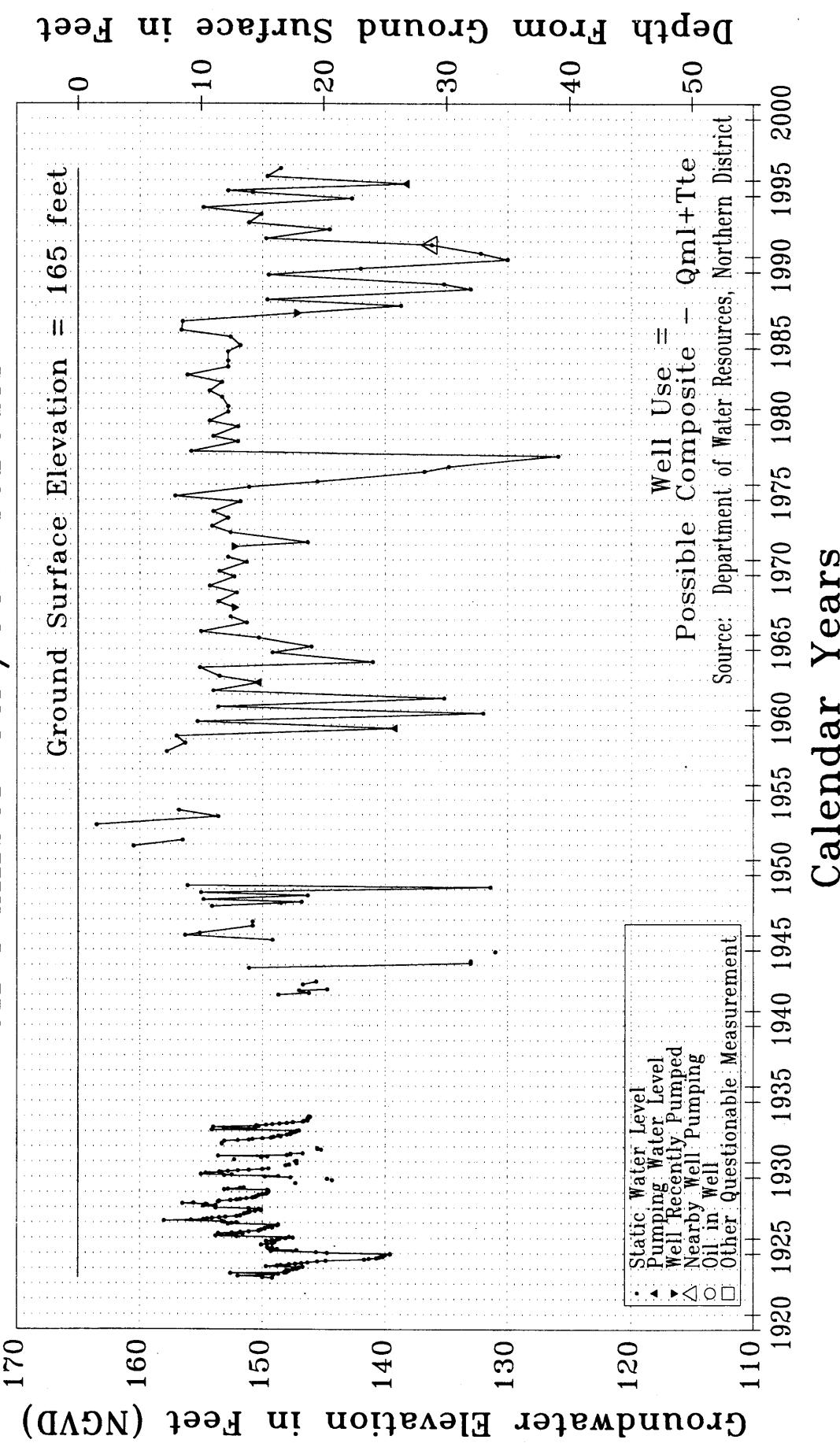
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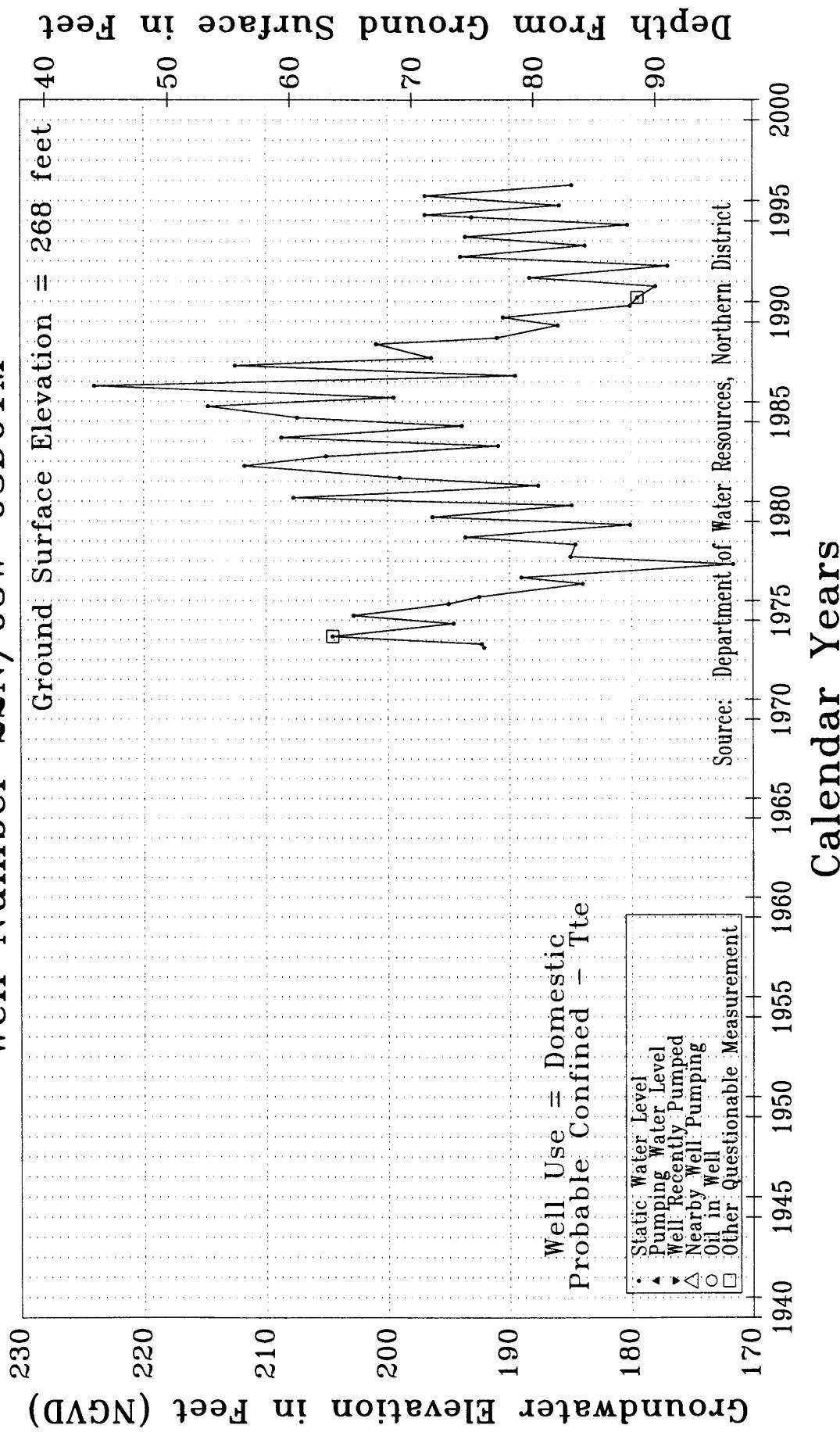
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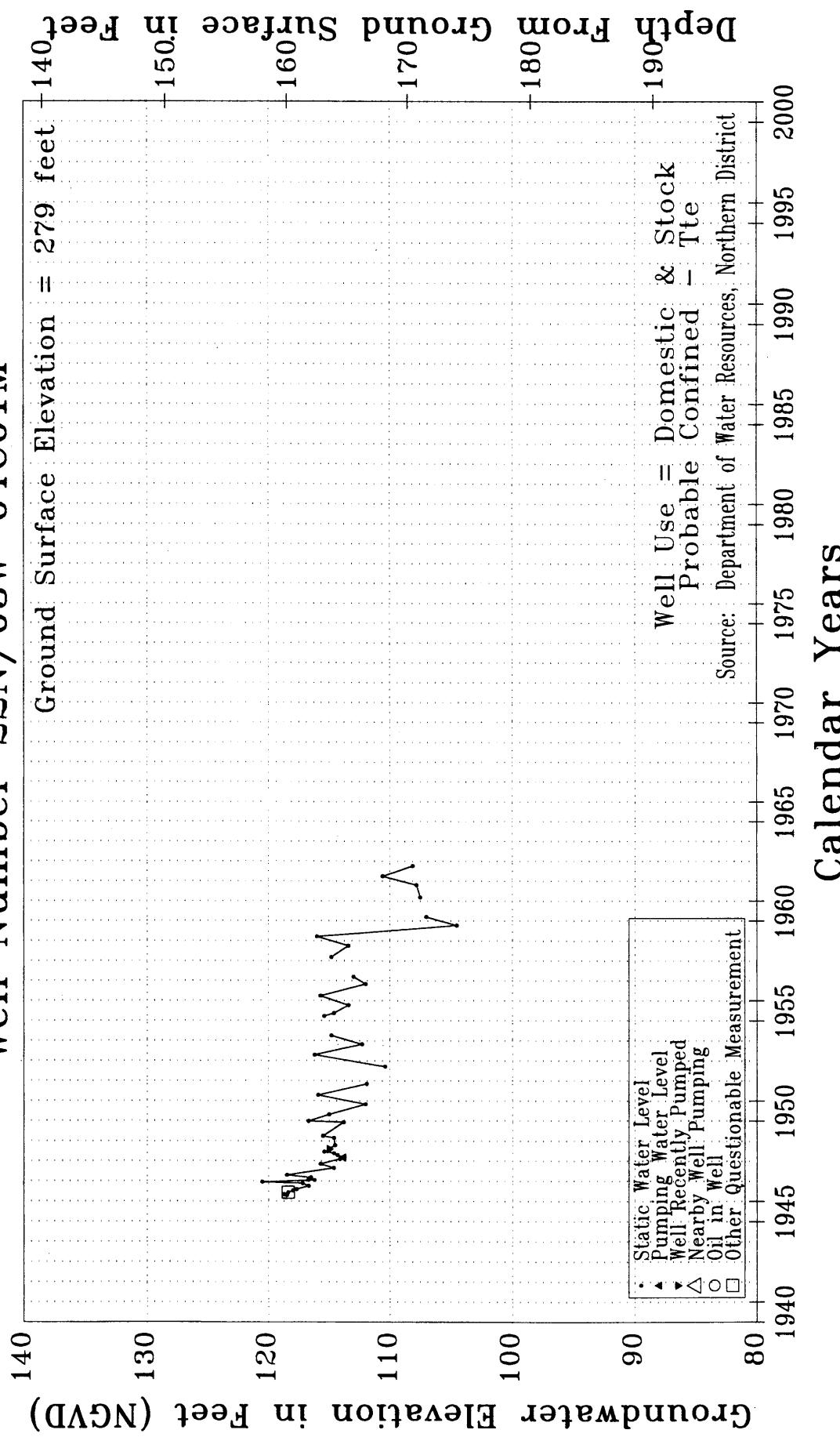
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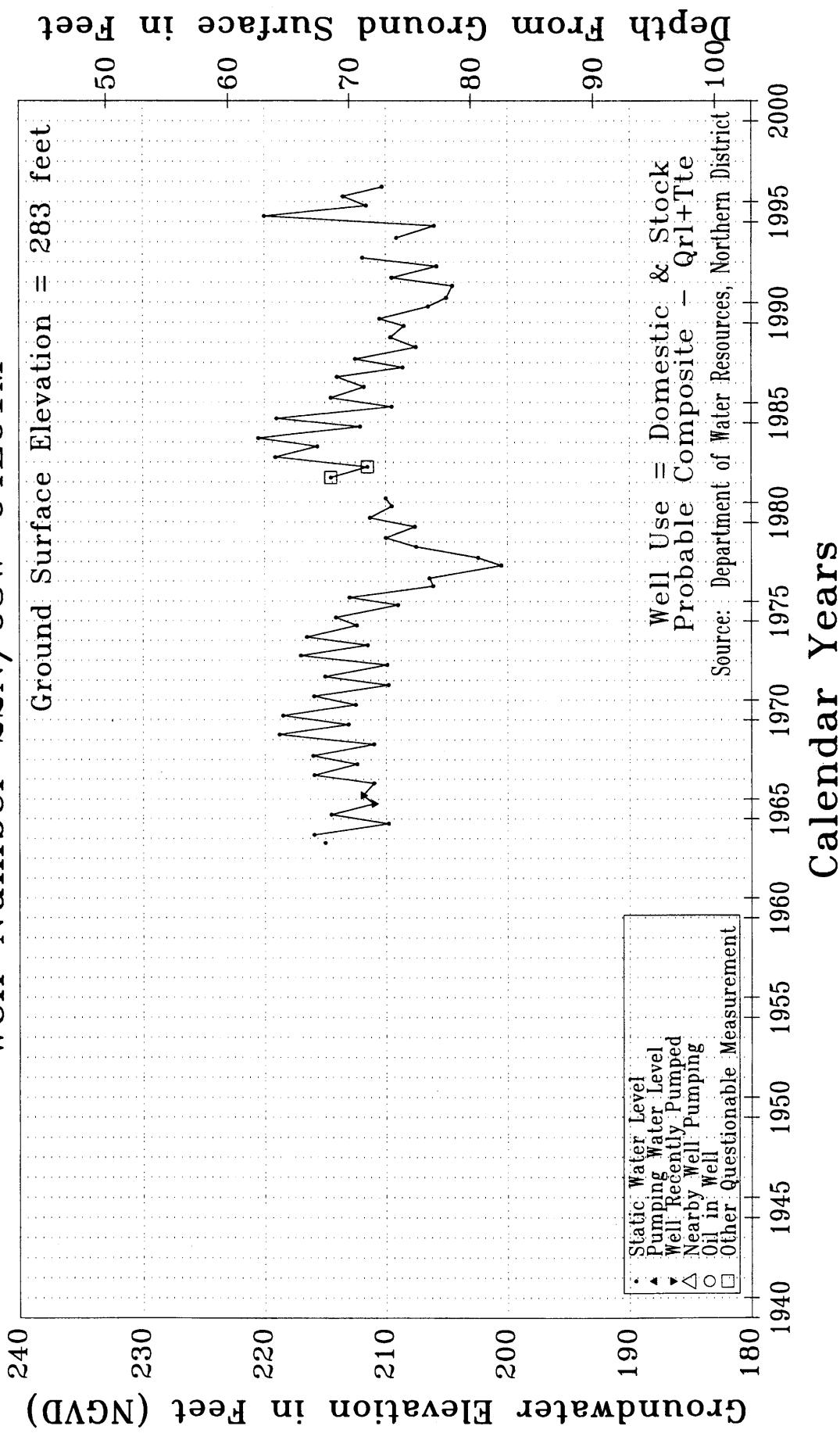
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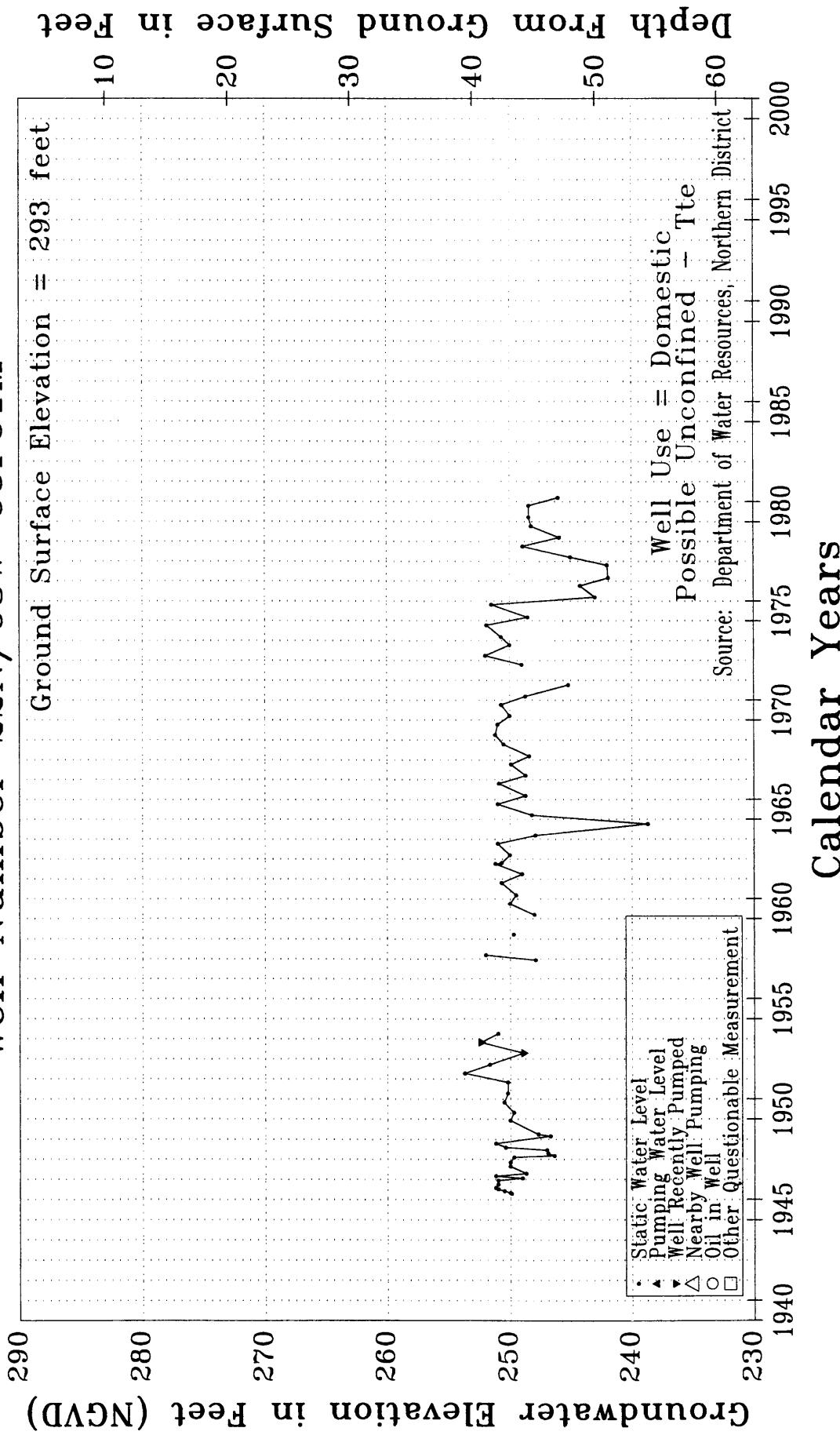
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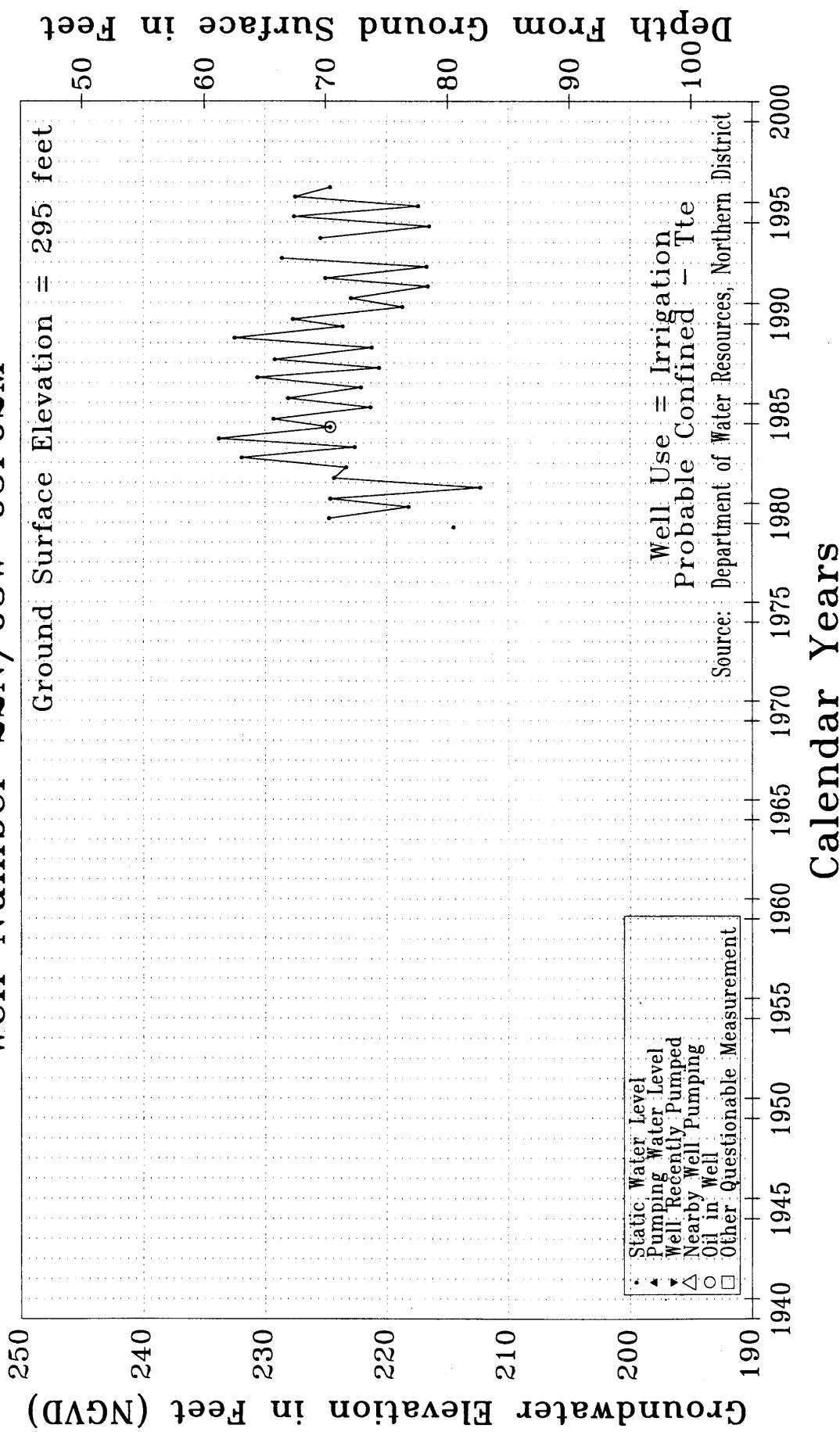
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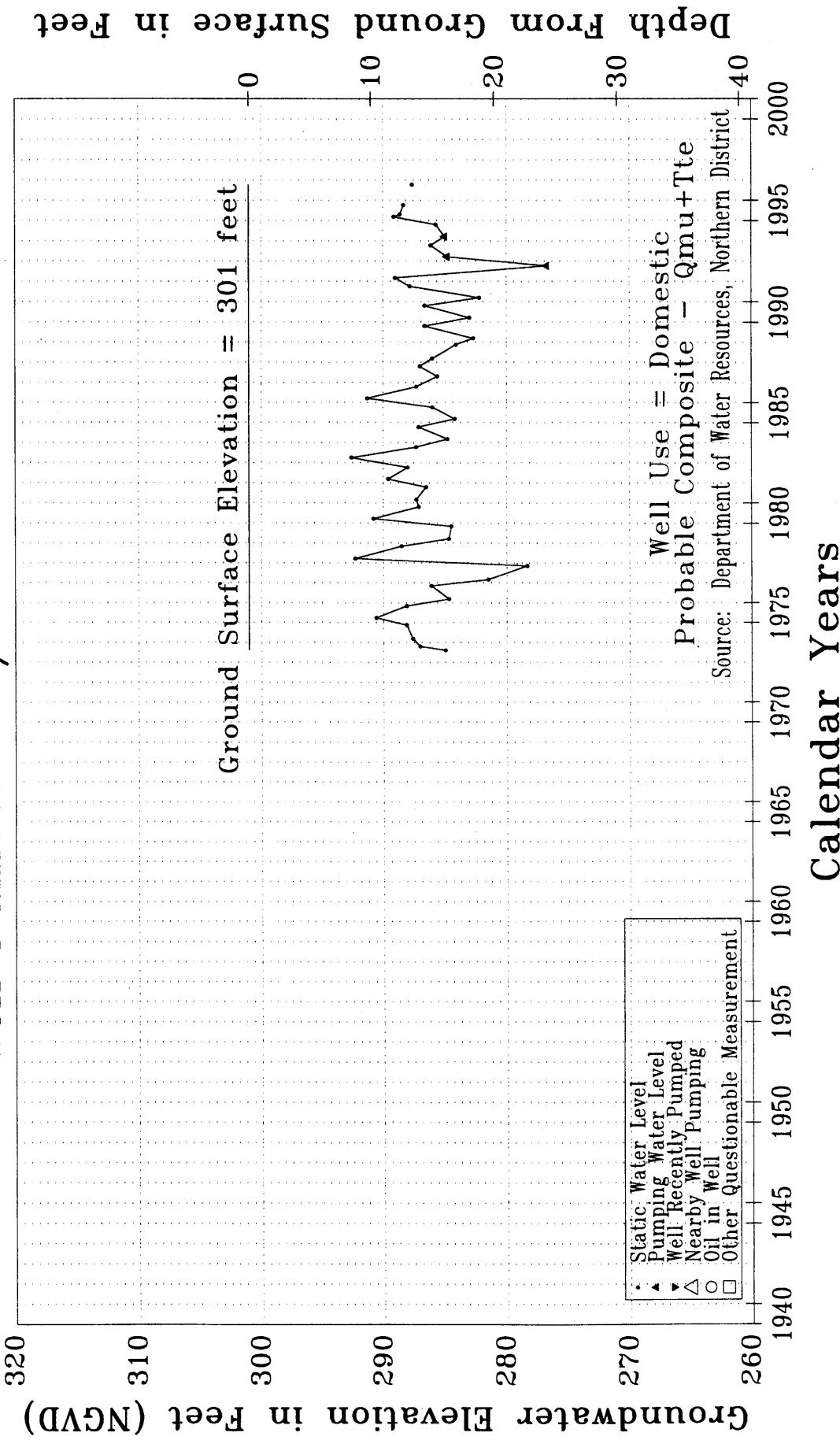
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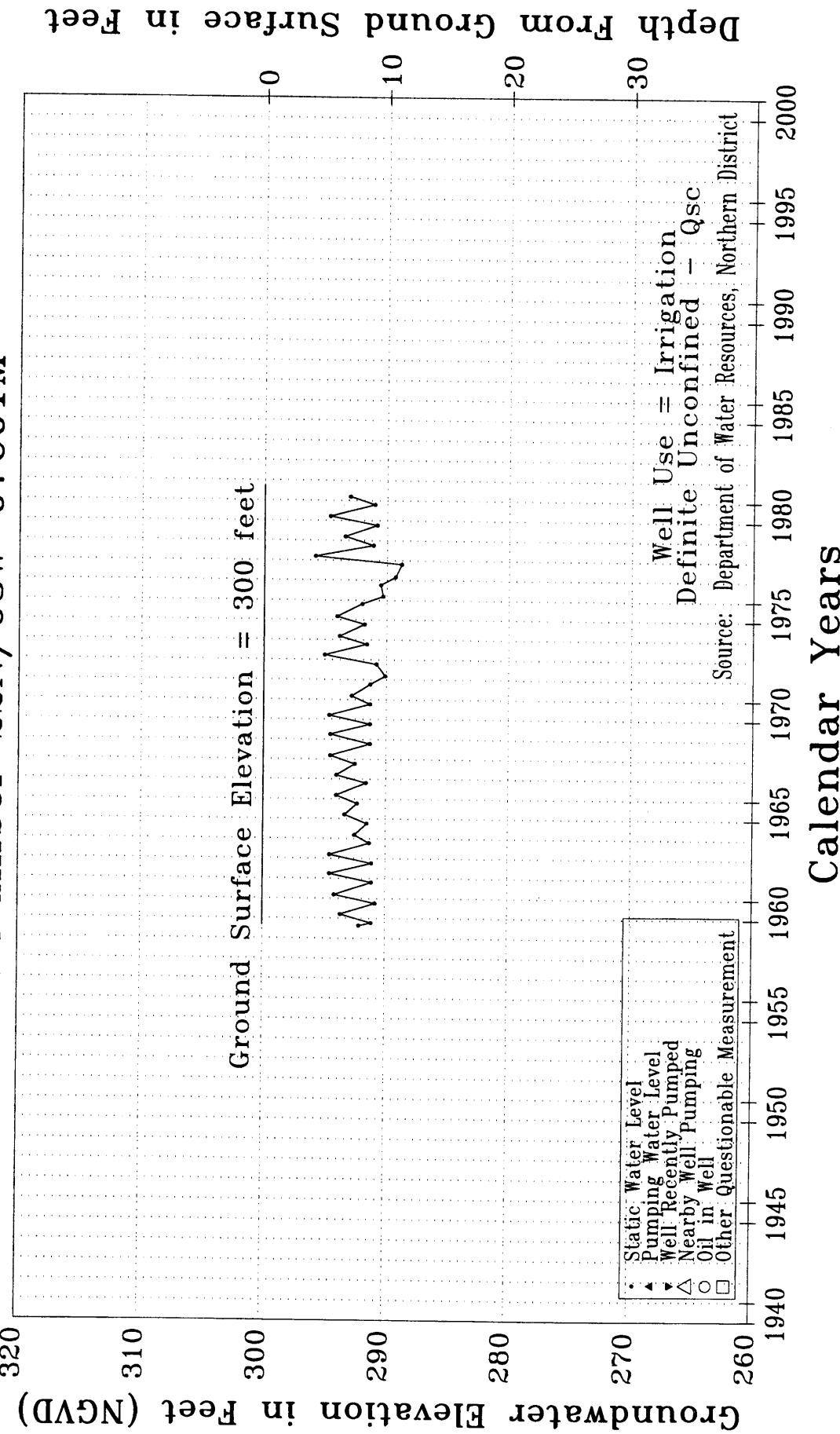
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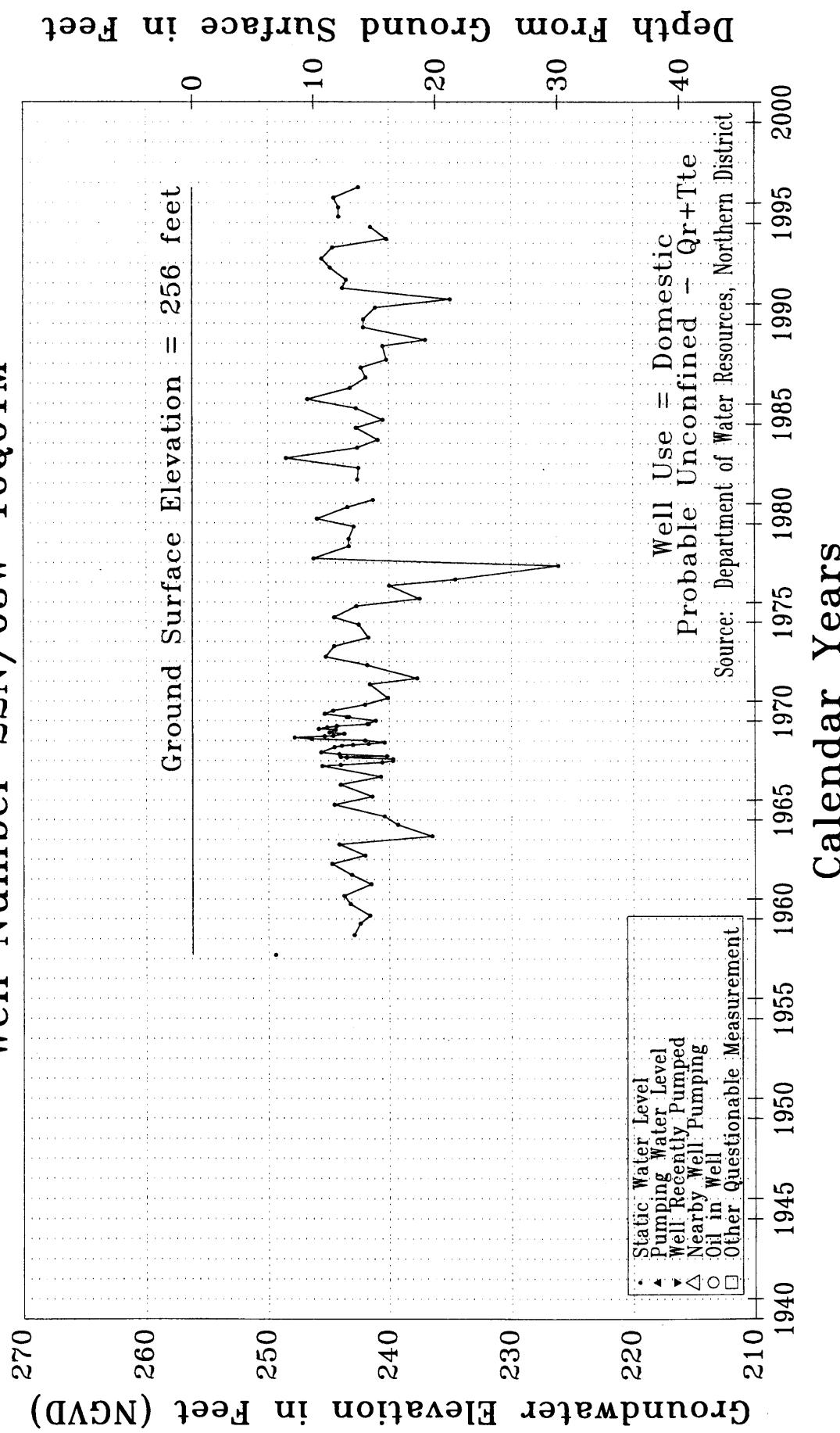
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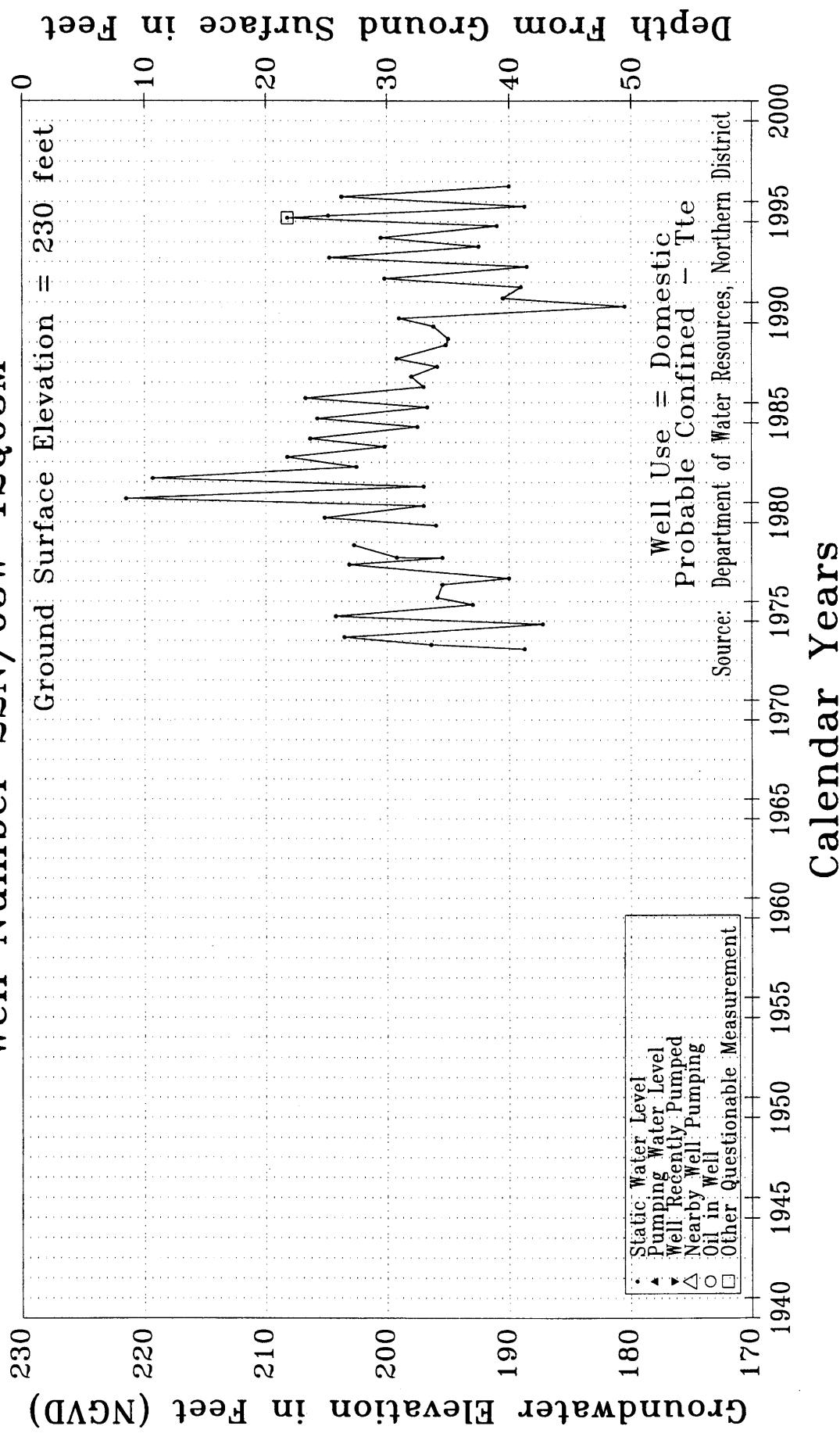
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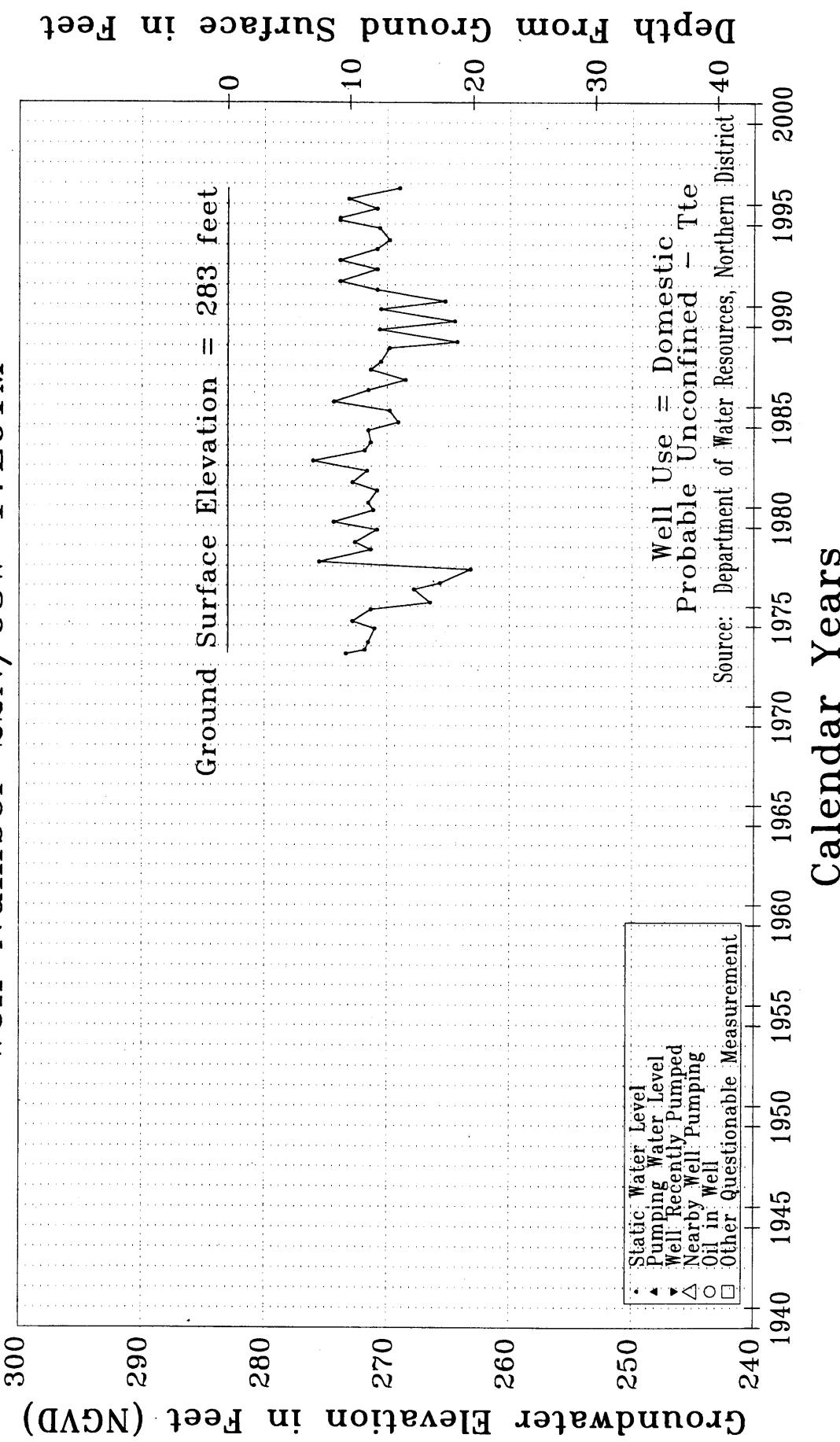
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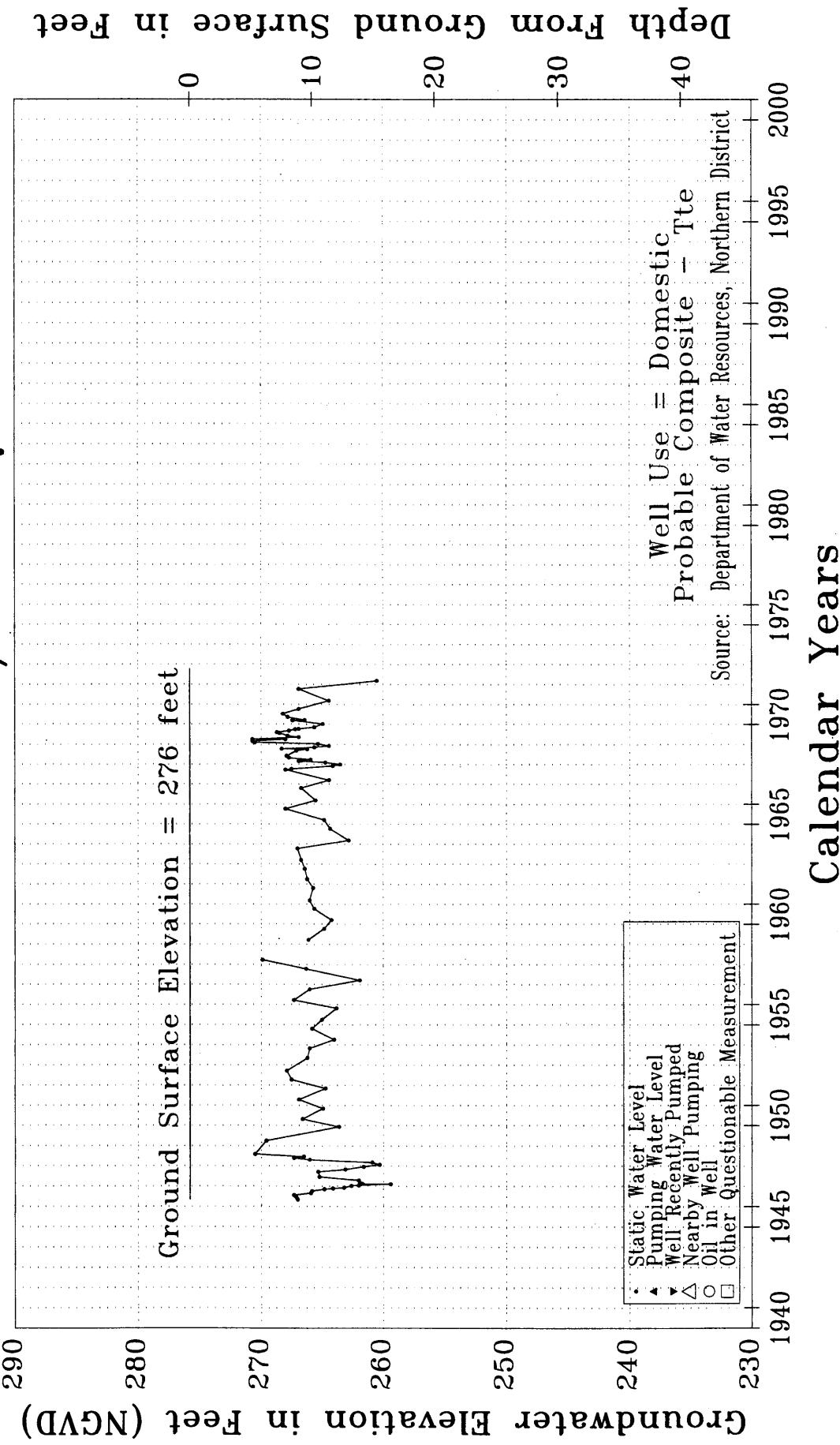
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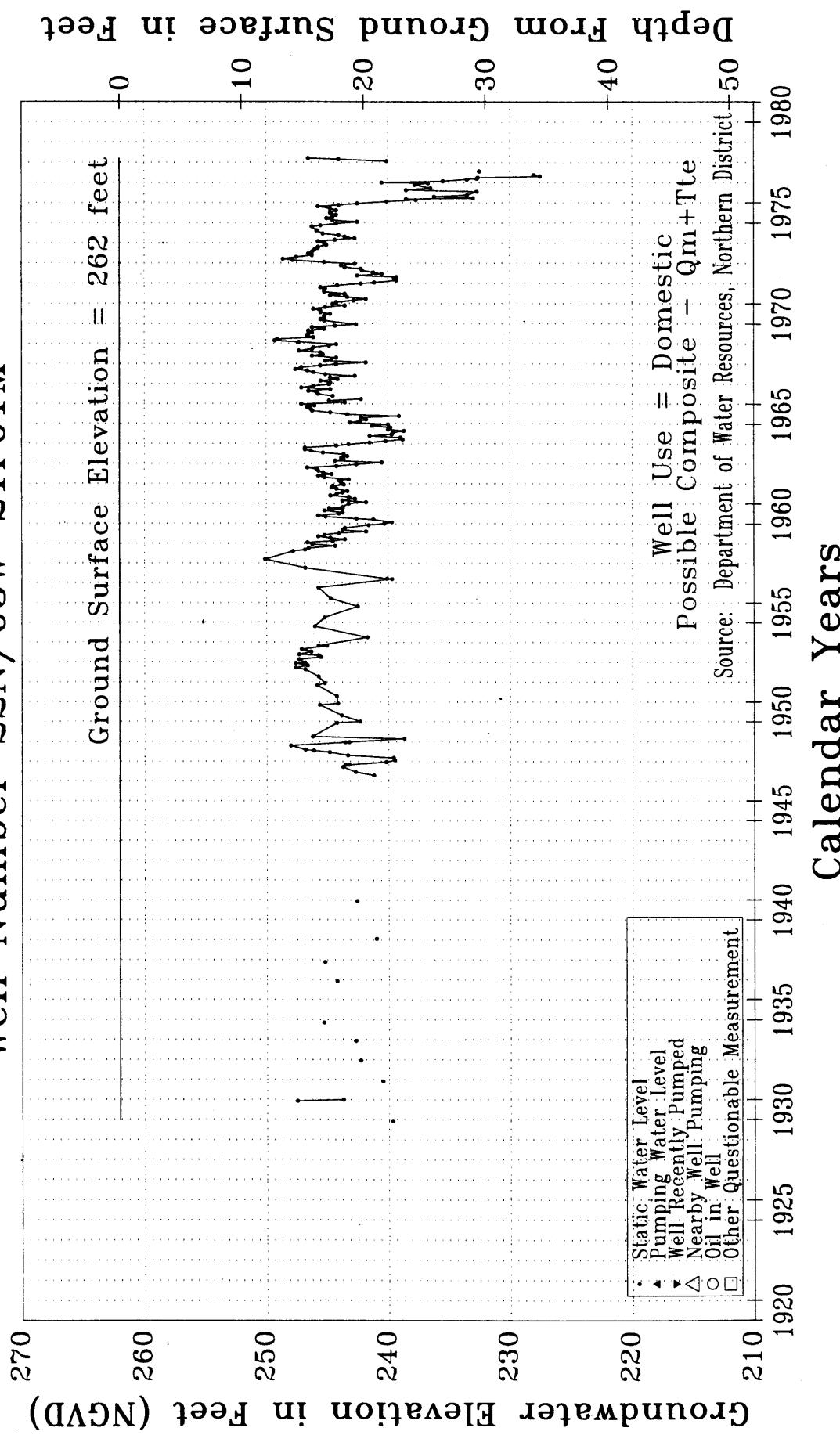
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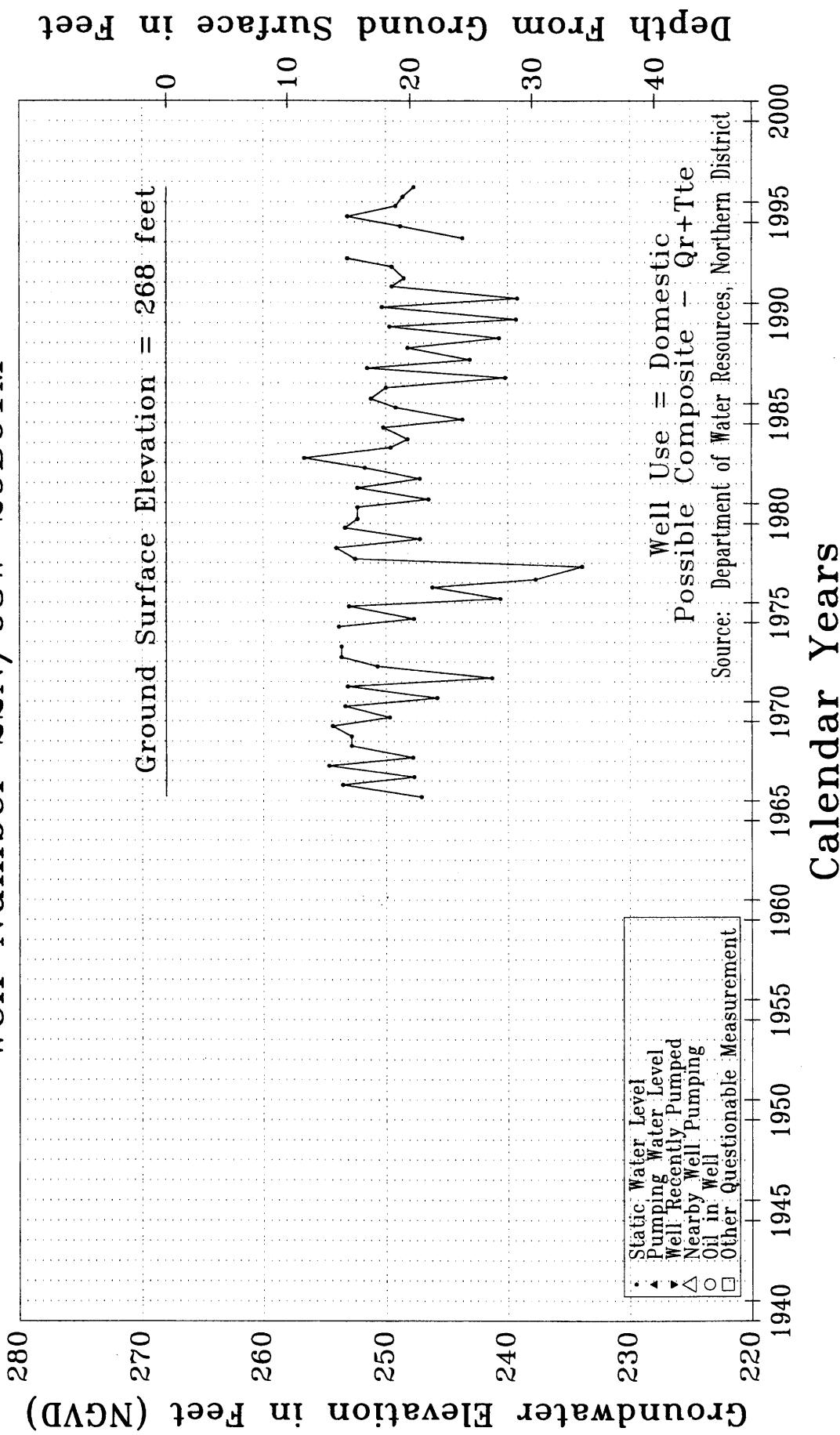
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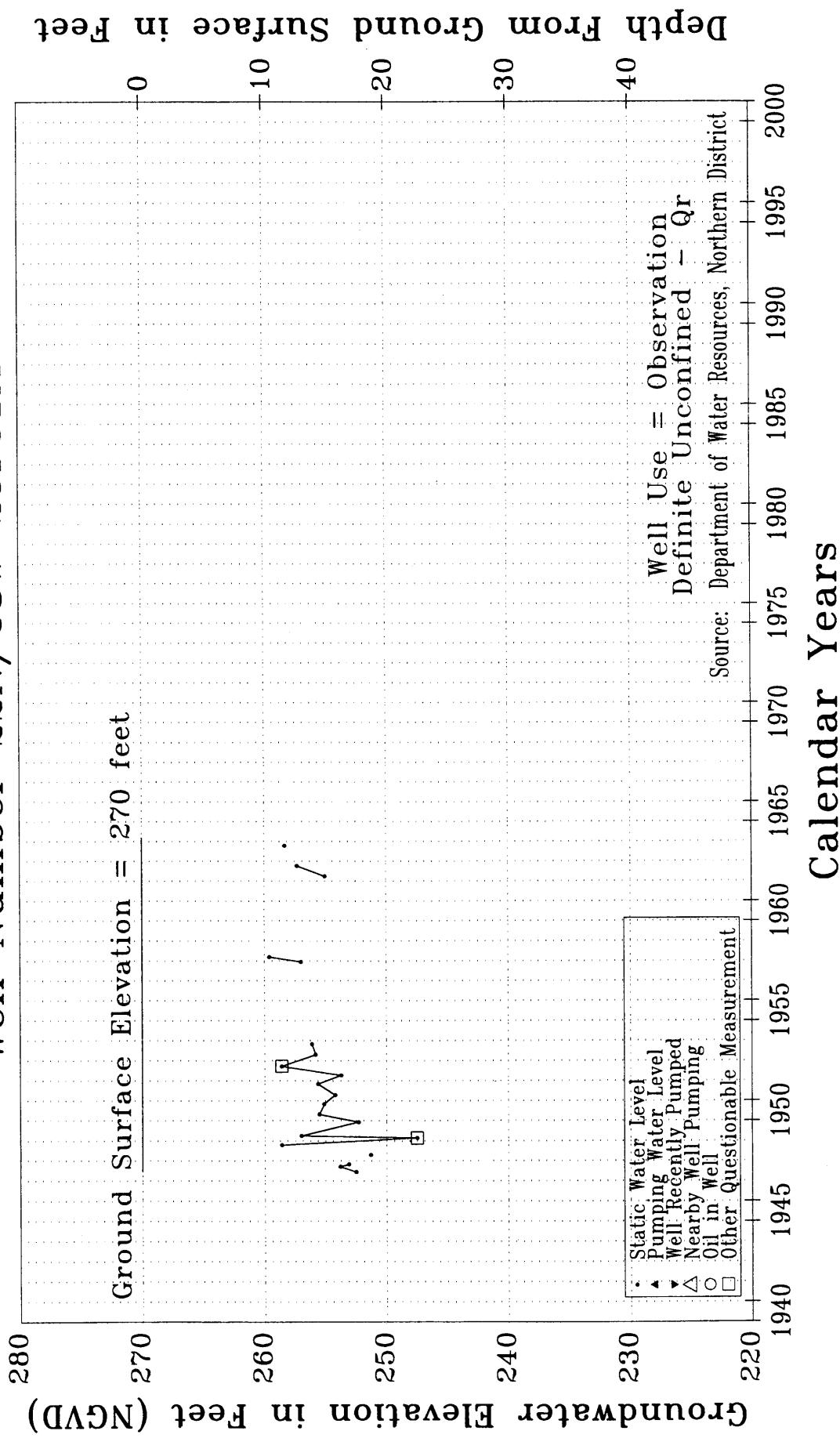
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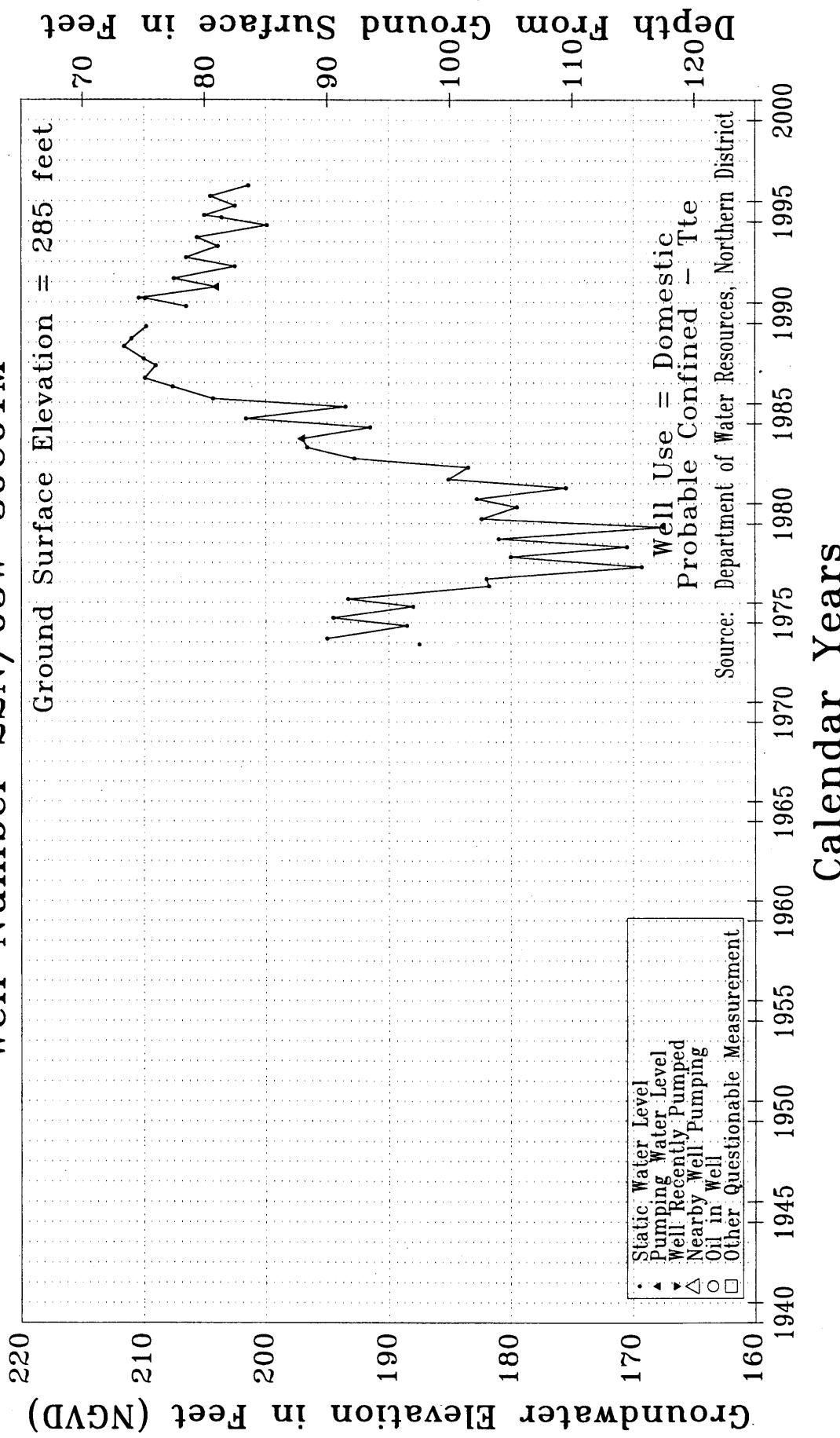
Sacramento Valley Groundwater Basin – Glenn County  
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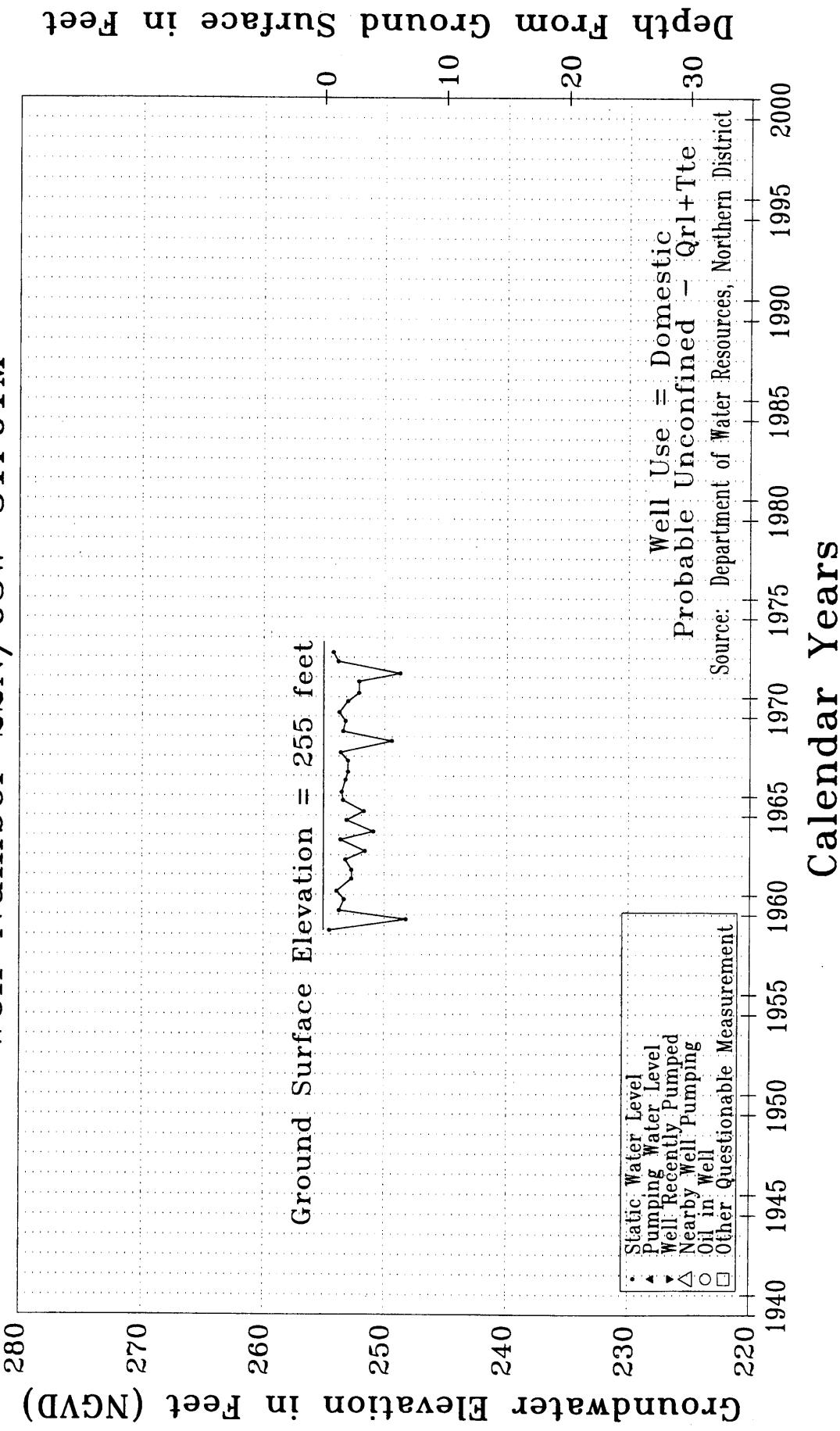
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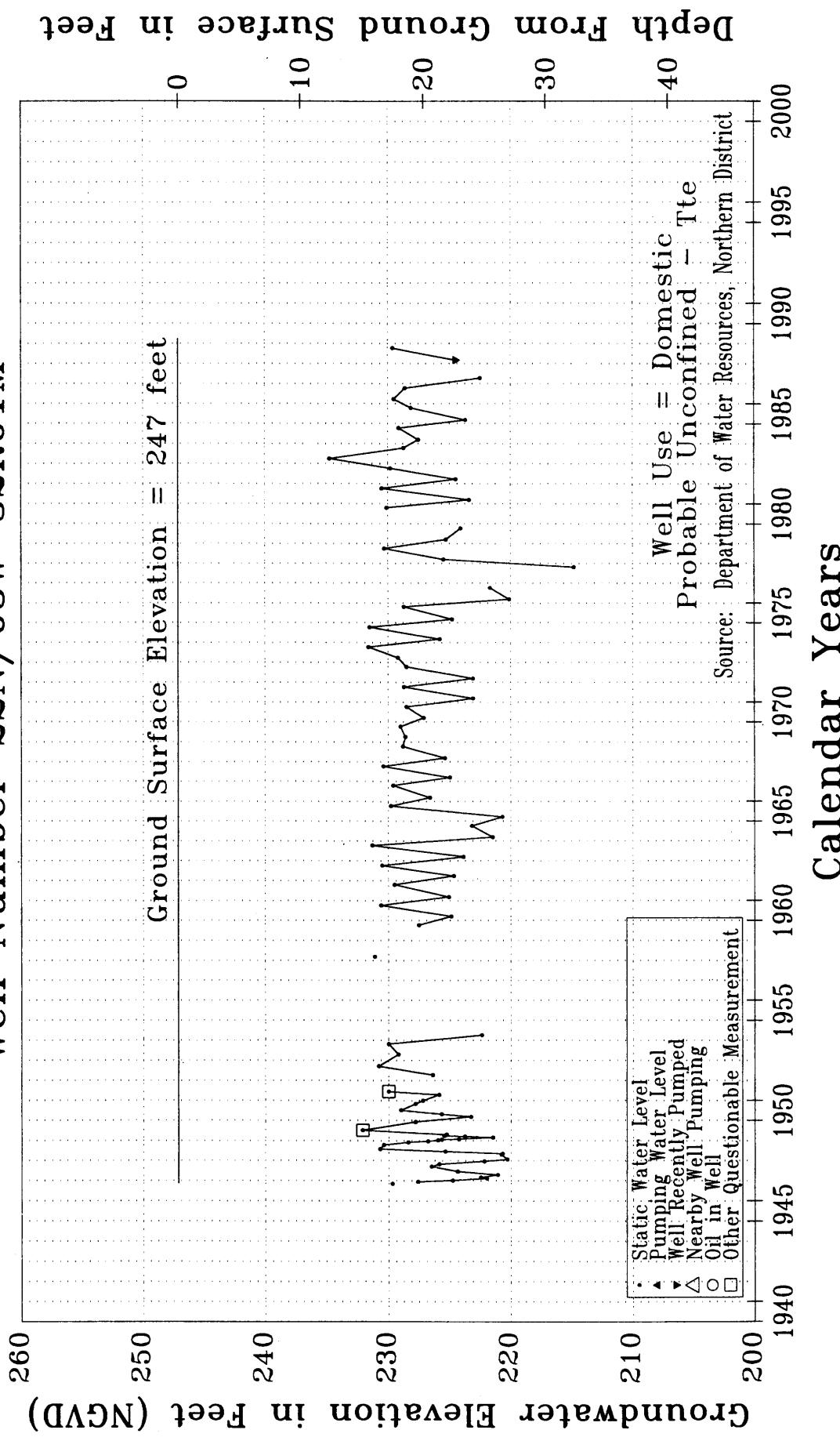
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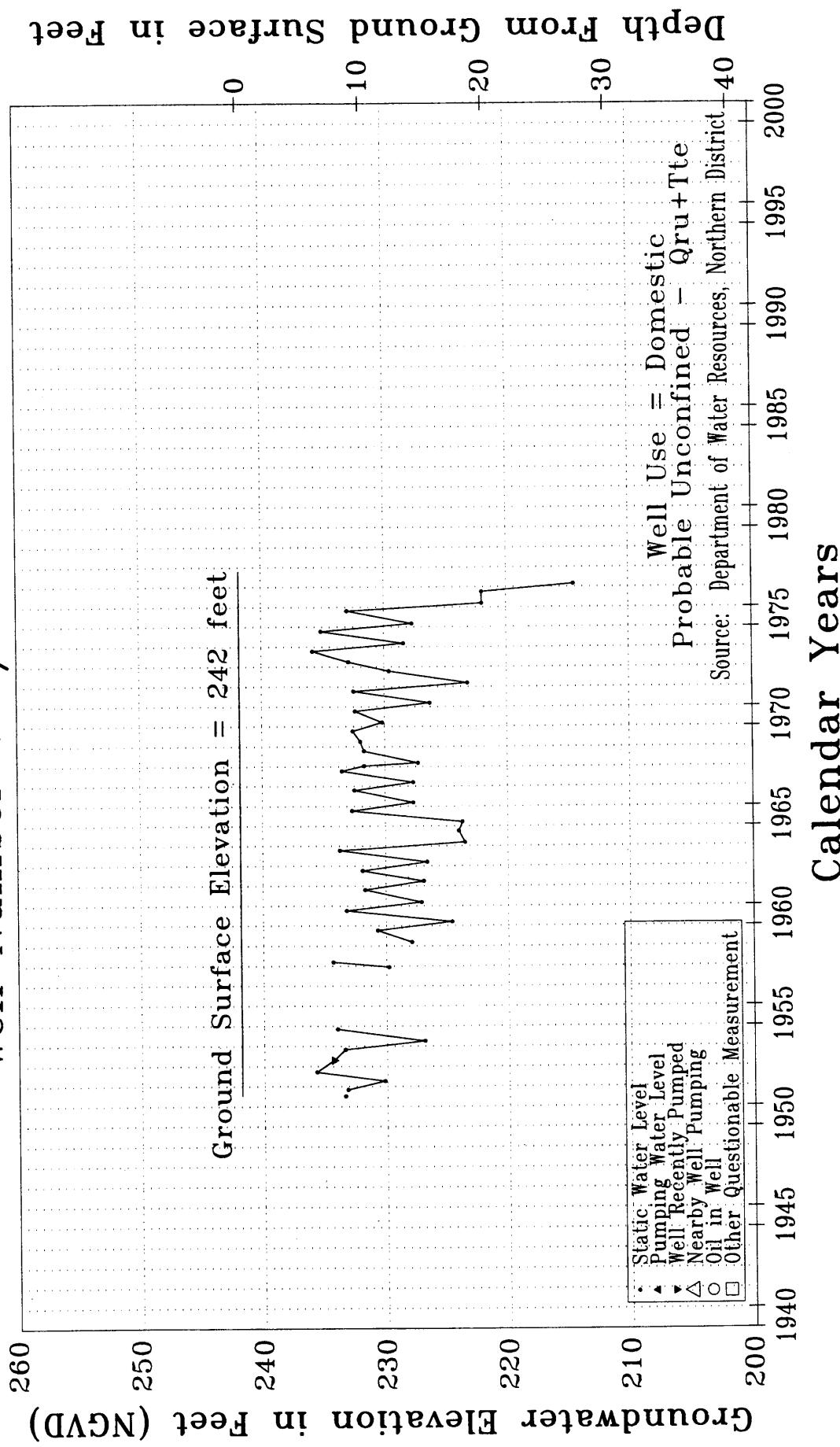
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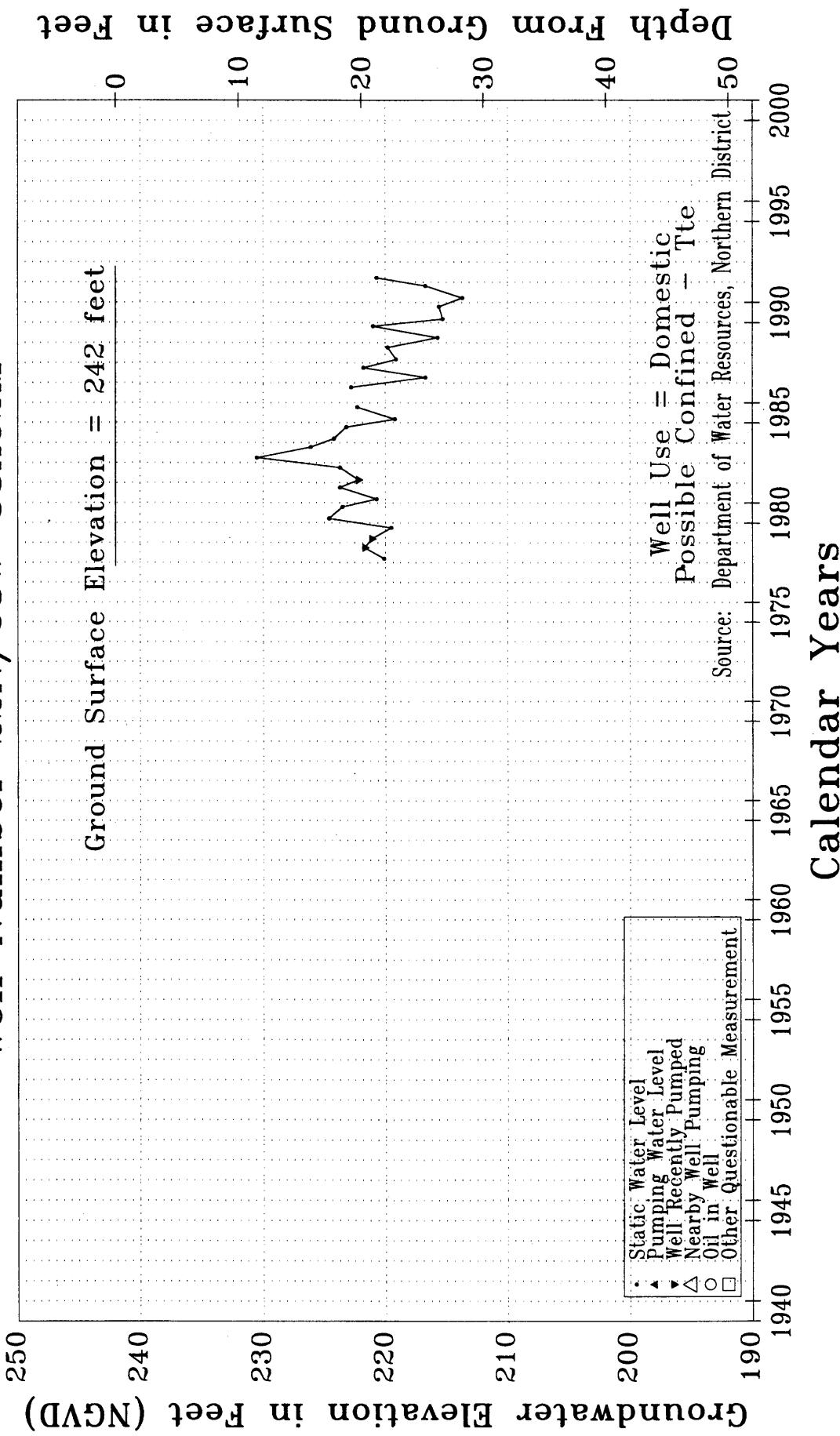
Sacramento Valley Groundwater Basin - Glenn County  
Well Number 22N/03W-32R01M



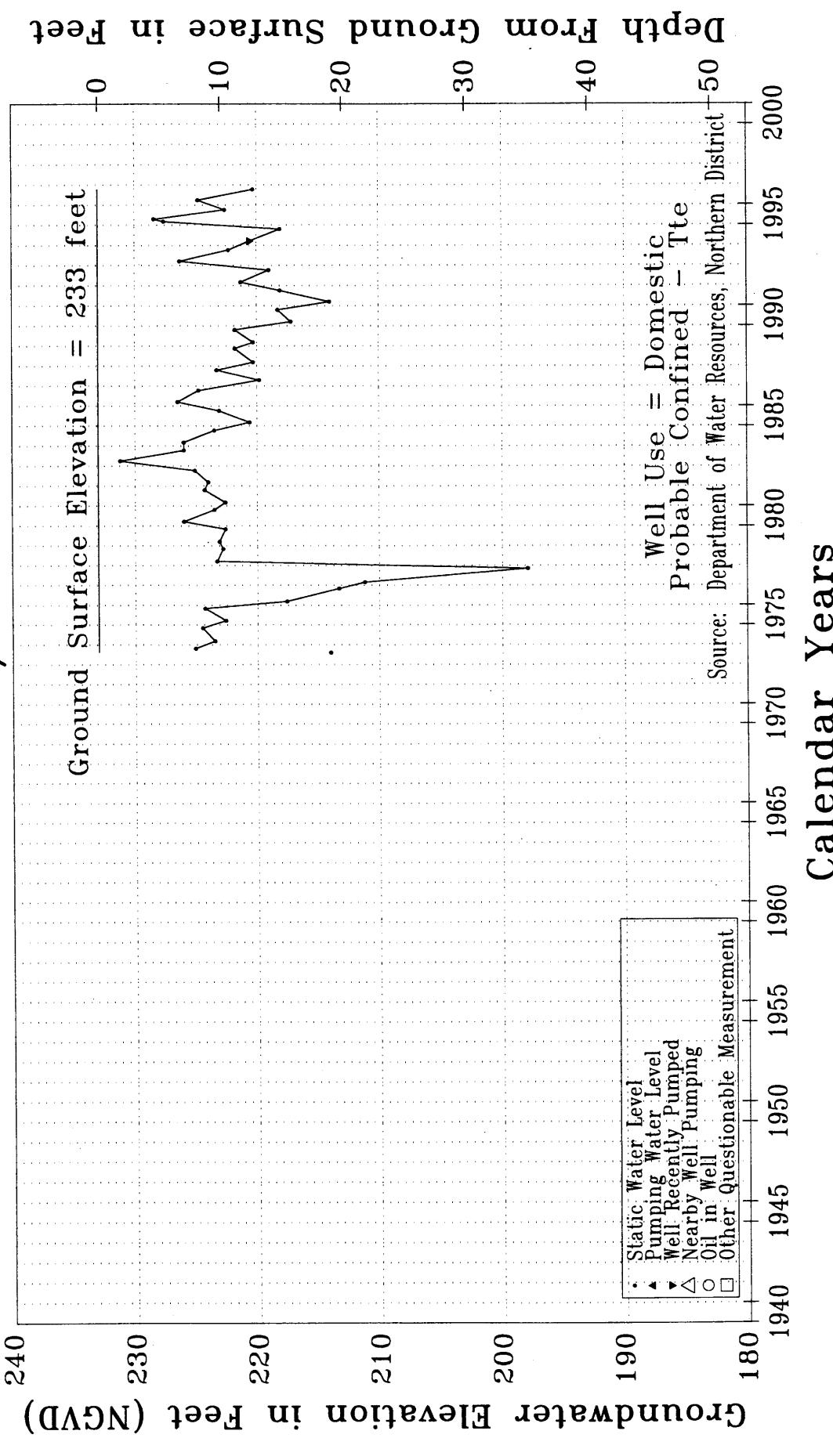
Sacramento Valley Groundwater Basin – Glenn County  
Well Number 22N/03W–33A01M



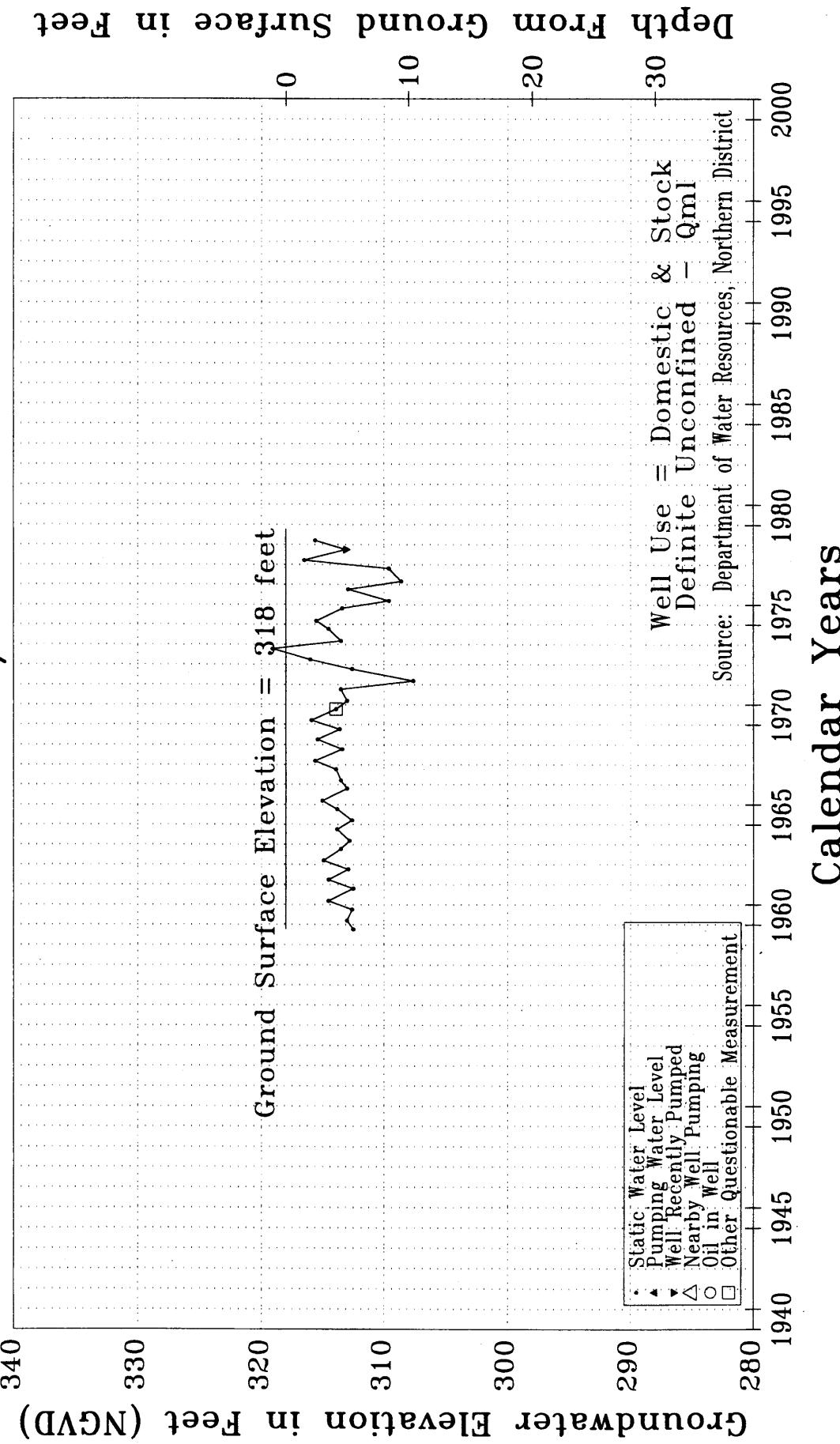
Sacramento Valley Groundwater Basin - Glenn County  
Well Number 22N/03W-33A02M



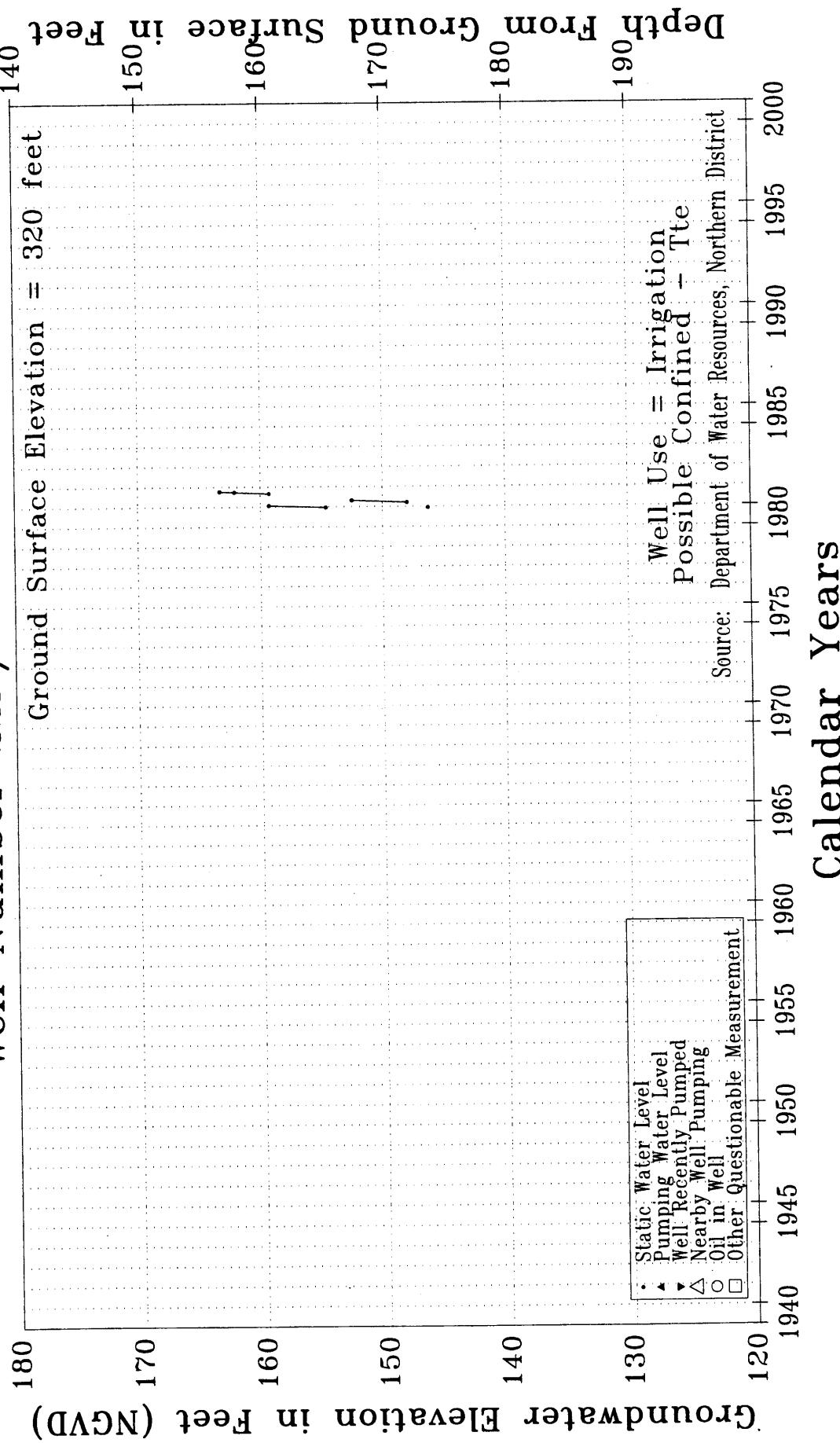
**Sacramento Valley Groundwater Basin – Glenn County**  
**Well Number 22N/03W–34A01M**



Sacramento Valley Groundwater Basin – Glenn County  
Well Number 22N/04W-12L01M



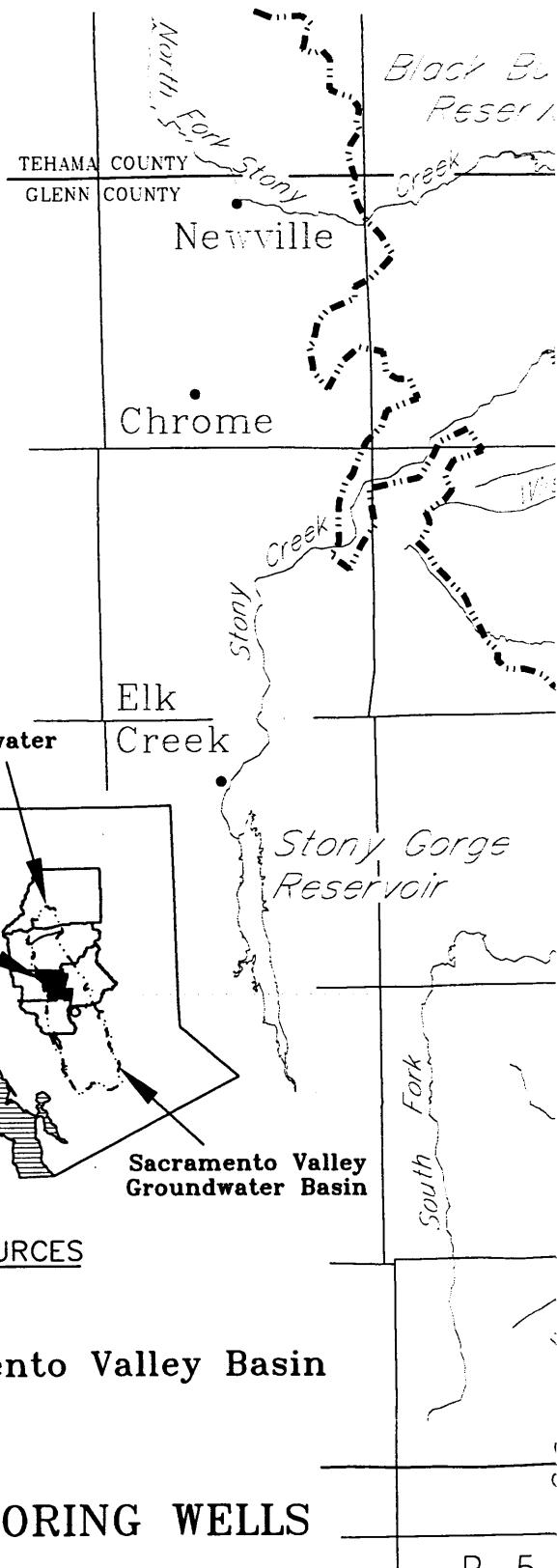
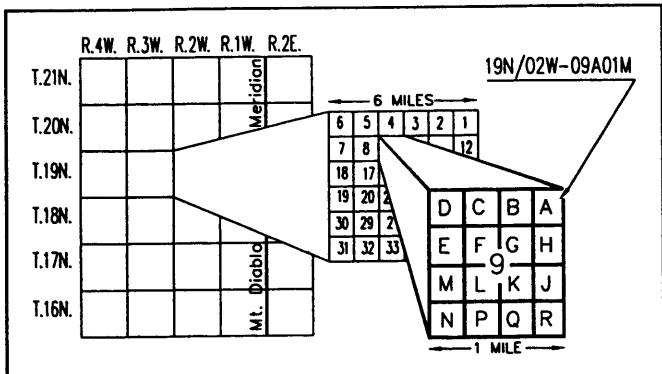
**Sacramento Valley Groundwater Basin – Glenn County  
Well Number 22N/04W-35F01M**



## **Appendix B**

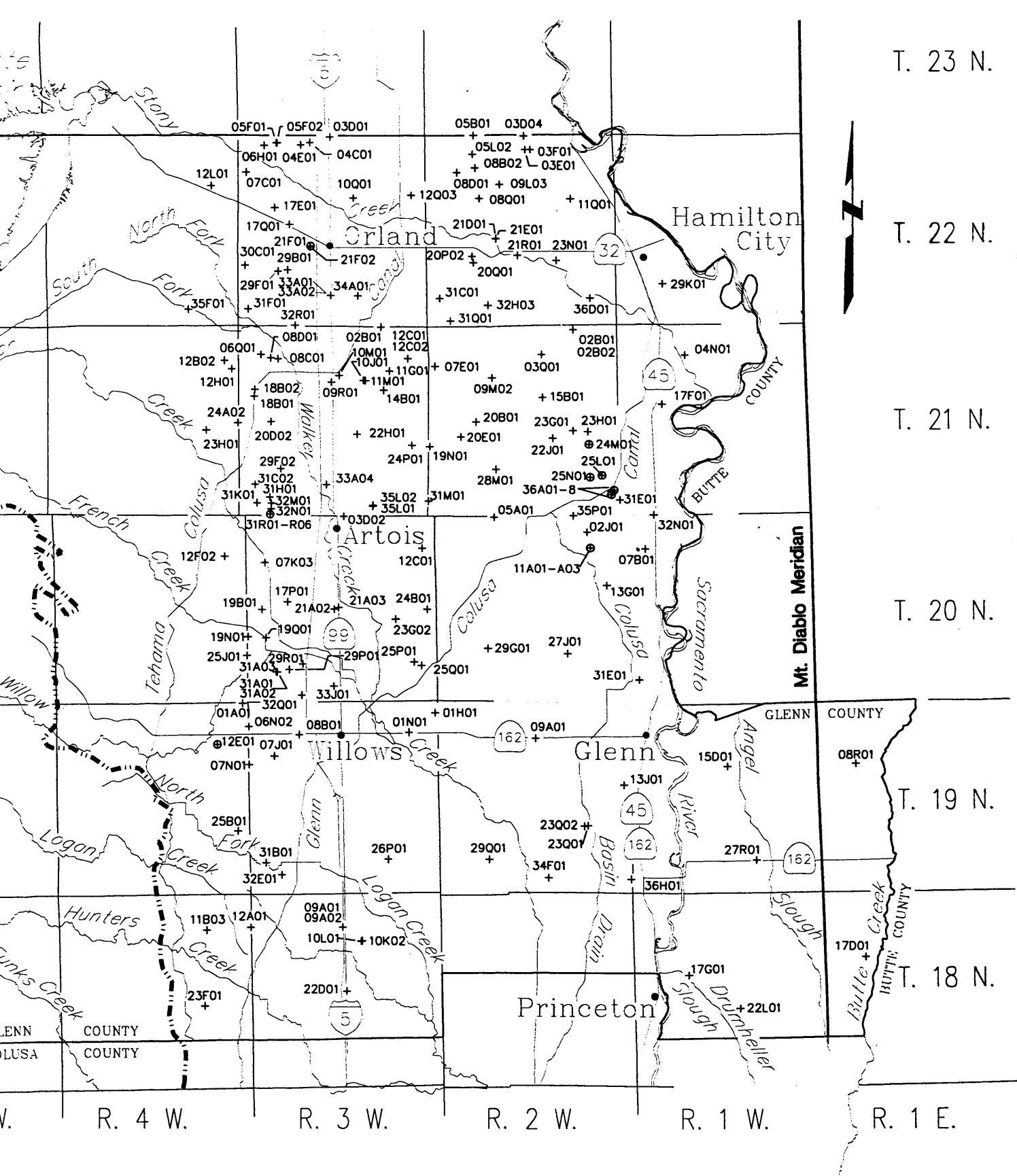
### **Location of Groundwater Level Monitoring Wells in Glenn County**

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Groundwater Levels in the Sacramento Valley Basin  
Glenn County  
LOCATION OF  
GROUNDWATER LEVEL MONITORING WELLS  
JANUARY 1997

# Appendix B



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REPROGRAPHICS**